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| NHV6-3-W18 | O | 1 / 11 |

SPECIFICATIONS

Product Name: Network Signal Tower with Voice Annunciator

Model: NHV 🗆 – 🗆 🗆 🗆 – 🗆 🗆 🗆

PATLITE Corporation

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1. General Specifications

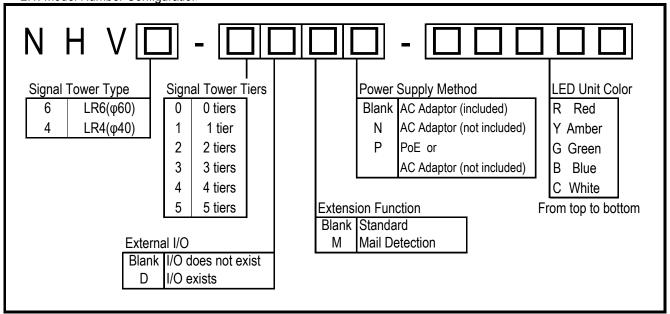
| | | | 5 tiers | NHV 🗆 - 5 🗆 🗆 🗆 | | | |
|--------------------------|---------------------------------------------------------------------------------------------------------------------|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| | | ſ | 4 tiers | NHV 🗆 - 4 🗆 🗆 🗆 | | | |
| Madel 3 tiers | | 3 tiers | NHV□-3□□□ | | | | |
| Model 2 tiers | | 2 tiers | NHV□-2□□□ | | | | |
| | | | 1 tier | NHV 🗆 - 1 🗆 🗆 🗆 | | | |
| | | | 0 tiers | NHV 🗆 - 0 🗆 🗆 | | | |
| | | | DC Jack | 24VDC | | | |
| Rated Vol | ltage | | PoE *1 | 48VDC Conforms to IEEE802.3at (PoE+) *2 | | | |
| | | AC | Adaptor *3 | Input: 100 - 240VAC (50/60Hz) Output: 24VDC | | | |
| Operati | na | | DC Jack | 21.6 - 26.4VDC | | | |
| Voltag | _ | | PoE *1 | 42.5 - 57VDC | | | |
| Range | | AC | Adaptor *3 | 90 - 264VAC | | | |
| | • | T | • | Standby: 120mA Maximum: 210mA (24VDC input) | | | |
| Rated (| Current | | Main Unit *4 | Standby: 115mA Maximum: 175mA (PoE 48VDC input) | | | |
| Consu | mption | H | LED Unit | 40mA (per Unit, 24VDC input) , 25mA (per Unit, PoE 48VDC input) | | | |
| Pated | Power | - | Main Unit *4 | Standby: 3.5W Maximum: 6W (AC Adaptor, 100VAC input) | | | |
| Consu | | ŀ | LED Unit | 1.0W (per Unit, AC Adaptor, 100VAC input) | | | |
| | | ant. | | | | | |
| | | | Temperature | 0 - 40°C (No Dew or Condensation) | | | |
| | | | nt Humidity | 20%RH - 80%RH (No Dew or Condensation) | | | |
| | | | emperature | -10 - 60°C (No Dew or Condensation) | | | |
| | | | t Humidity | 20%RH - 80%RH (No Dew or Condensation) | | | |
| | lounting | | | Indoor Only | | | |
| | lounting | | | Upright | | | |
| Protection Rating | | Rating | IP 20 | | | | |
| | | | | | | | |
| | ulation l | | istance | More than 10Mohm at 500VDC between live part and non-current carrying metallic part | | | |
| Ins | ulation l | Res | | 1500VAC applied for 1min (10mA or less) between live part and non-current carrying | | | |
| Ins W | ulation l /ithstan | Res | oltage | 1500VAC applied for 1min (10mA or less) between live part and non-current carrying metallic part without breaking insulration | | | |
| Ins W | ulation l /ithstan | Res d Vo ssui | oltage re Level | 1500VAC applied for 1min (10mA or less) between live part and non-current carrying metallic part without breaking insulration 88dB or more | | | |
| Ins W | ulation l /ithstan | Res d Vo ssui | oltage | 1500VAC applied for 1min (10mA or less) between live part and non-current carrying metallic part without breaking insulration | | | |
| Ins W | ulation l /ithstan | Res d Vo ssur En | oltage re Level | 1500VAC applied for 1min (10mA or less) between live part and non-current carrying metallic part without breaking insulration 88dB or more Front direction from the center, at 1m, 1.8kHz sine wave played back at -6dB MP3 data of the content and use of the environment, the sound pressure level will change. | | | |
| Ins V Sou | ulation l /ithstan | Res d Vo ssui En | oltage re Level vironmental Condition | 1500VAC applied for 1min (10mA or less) between live part and non-current carrying metallic part without breaking insulration 88dB or more Front direction from the center, at 1m, 1.8kHz sine wave played back at -6dB | | | |
| Ins V Sou | ulation I Vithstand und Pres | Res d Vo ssui En | oltage re Level vironmental Condition | 1500VAC applied for 1min (10mA or less) between live part and non-current carrying metallic part without breaking insulration 88dB or more Front direction from the center, at 1m, 1.8kHz sine wave played back at -6dB MP3 data of the content and use of the environment, the sound pressure level will change. | | | |
| Ins V Sou | ulation I Vithstand und Pres | Res d Vo ssui En | oltage re Level vironmental Condition Output | $1500 \text{VAC applied for 1min (10mA or less) between live part and non-current carrying} \\ \text{metallic part without breaking insulration} \\ \hline 88dB \text{ or more} \\ \hline \text{Front direction from the center, at 1m, 1.8kHz sine wave played back at -6dB} \\ \text{MP3 data of the content and use of the environment, the sound pressure level will change.} \\ \hline 600\Omega \text{ 0dBV (Unbalanced, Monaural Mini-Jack)} \\ \hline$ | | | |
| Ins V Sou | ulation I Vithstand und Pres undio Lir | Res d Vo ssui En | oltage re Level vironmental Condition Output NHV6 | | | | |
| Ins W Sou A | ulation I Vithstand und Pres uudio Lir | Res | oltage re Level vironmental Condition Output NHV6 NHV4 | 1500VAC applied for 1min (10mA or less) between live part and non-current carrying metallic part without breaking insulration 88dB or more Front direction from the center, at 1m, 1.8kHz sine wave played back at -6dB MP3 data of the content and use of the environment, the sound pressure level will change. 600Ω 0dBV (Unbalanced, Monaural Mini-Jack) 760g + (60g) x Signal Tower Tiers (AC Adaptor not included) 750g + (35g) x Signal Tower Tiers (AC Adaptor not included) 805g + (60g) x Signal Tower Tiers (AC Adaptor not included) | | | |
| Ins W Sou | ulation I Vithstand und Pres uudio Lir | Res | oltage re Level vironmental Condition Output NHV6 NHV4 NHV6-D | 1500VAC applied for 1min (10mA or less) between live part and non-current carrying metallic part without breaking insulration 88dB or more Front direction from the center, at 1m, 1.8kHz sine wave played back at -6dB MP3 data of the content and use of the environment, the sound pressure level will change. 600Ω 0dBV (Unbalanced, Monaural Mini-Jack) 760g + (60g) x Signal Tower Tiers (AC Adaptor not included) 750g + (35g) x Signal Tower Tiers (AC Adaptor not included) 805g + (60g) x Signal Tower Tiers (AC Adaptor not included) 795g + (35g) x Signal Tower Tiers (AC Adaptor not included) | | | |
| Ins W Sou A | ulation I Vithstand und Pres uudio Lir | Res | re Level vironmental Condition Output NHV6 NHV4 NHV6-D NHV4-D | 1500VAC applied for 1min (10mA or less) between live part and non-current carrying metallic part without breaking insulration 88dB or more Front direction from the center, at 1m, 1.8kHz sine wave played back at -6dB MP3 data of the content and use of the environment, the sound pressure level will change. 600Ω 0dBV (Unbalanced, Monaural Mini-Jack) 760g + (60g) x Signal Tower Tiers (AC Adaptor not included) 750g + (35g) x Signal Tower Tiers (AC Adaptor not included) 805g + (60g) x Signal Tower Tiers (AC Adaptor not included) 795g + (35g) x Signal Tower Tiers (AC Adaptor not included) 850g + (60g) x Signal Tower Tiers (AC Adaptor not included) | | | |
| Ins W Sou A Ma [Tolerand | ulation I vithstand und Pres uudio Lir ass ee ±10% | Res | oltage re Level vironmental Condition Output NHV6 NHV4 NHV6-D NHV4-D NHV6-DP | 1500VAC applied for 1min (10mA or less) between live part and non-current carrying metallic part without breaking insulration 88dB or more Front direction from the center, at 1m, 1.8kHz sine wave played back at -6dB MP3 data of the content and use of the environment, the sound pressure level will change. 600Ω 0dBV (Unbalanced, Monaural Mini-Jack) 760g + (60g) x Signal Tower Tiers (AC Adaptor not included) 750g + (35g) x Signal Tower Tiers (AC Adaptor not included) 805g + (60g) x Signal Tower Tiers (AC Adaptor not included) 795g + (35g) x Signal Tower Tiers (AC Adaptor not included) 850g + (60g) x Signal Tower Tiers (AC Adaptor not included) | | | |
| Ins W Sou A Ma [Tolerand | ulation I vithstand und Pres udio Lin uss se ±10% ontact O | Res | oltage re Level vironmental Condition Output NHV6 NHV4 NHV6-D NHV4-D NHV4-DP | 1500VAC applied for 1min (10mA or less) between live part and non-current carrying metallic part without breaking insulration 88dB or more Front direction from the center, at 1m, 1.8kHz sine wave played back at -6dB MP3 data of the content and use of the environment, the sound pressure level will change. 600Ω 0dBV (Unbalanced, Monaural Mini-Jack) 760g + (60g) x Signal Tower Tiers (AC Adaptor not included) 750g + (35g) x Signal Tower Tiers (AC Adaptor not included) 805g + (60g) x Signal Tower Tiers (AC Adaptor not included) 795g + (35g) x Signal Tower Tiers (AC Adaptor not included) 850g + (60g) x Signal Tower Tiers (AC Adaptor not included) | | | |
| Ins W Sou A Ma [Tolerand | ulation I vithstand und Pres uudio Lin ass ce ±10% ontact O Num | Res | re Level vironmental Condition Output NHV6 NHV4 NHV6-D NHV4-D NHV6-DP NHV4-DP ut (Only D-type) of Contacts | 1500VAC applied for 1min (10mA or less) between live part and non-current carrying metallic part without breaking insulration 88dB or more Front direction from the center, at 1m, 1.8kHz sine wave played back at -6dB MP3 data of the content and use of the environment, the sound pressure level will change. 600Ω 0dBV (Unbalanced, Monaural Mini-Jack) 760g + (60g) x Signal Tower Tiers (AC Adaptor not included) 750g + (35g) x Signal Tower Tiers (AC Adaptor not included) 805g + (60g) x Signal Tower Tiers (AC Adaptor not included) 795g + (35g) x Signal Tower Tiers (AC Adaptor not included) 850g + (60g) x Signal Tower Tiers 840g + (35g) x Signal Tower Tiers Non-voltage contact output | | | |
| Ins W Sou A Ma [Tolerand | ulation I vithstand und Pres uudio Lin ass ce ±10% ontact O Num Cor | Res | oltage re Level vironmental Condition Output NHV6 NHV4 NHV6-D NHV6-DP NHV6-DP NHV4-DP ut (Only D-type) of Contacts ct Capacity | 1500VAC applied for 1min (10mA or less) between live part and non-current carrying metallic part without breaking insulration 88dB or more Front direction from the center, at 1m, 1.8kHz sine wave played back at -6dB MP3 data of the content and use of the environment, the sound pressure level will change. 600Ω 0dBV (Unbalanced, Monaural Mini-Jack) 760g + (60g) x Signal Tower Tiers (AC Adaptor not included) 750g + (35g) x Signal Tower Tiers (AC Adaptor not included) 805g + (60g) x Signal Tower Tiers (AC Adaptor not included) 795g + (35g) x Signal Tower Tiers (AC Adaptor not included) 850g + (60g) x Signal Tower Tiers 840g + (35g) x Signal Tower Tiers Non-voltage contact output 2 (30VDC@3A) inrush current 5A or less (5VDC@1mA, Minimum, Reference) | | | |
| Ins W Sou A Ma [Tolerand | ulation I vithstand und Pres udio Lir uses e ±10% ontact O Num Cor W | Res d Vo | re Level vironmental Condition Output NHV6 NHV4 NHV6-D NHV4-DP NHV4-DP Jt (Only D-type) of Contacts st Capacity Diameter | 1500VAC applied for 1min (10mA or less) between live part and non-current carrying metallic part without breaking insulration 88dB or more Front direction from the center, at 1m, 1.8kHz sine wave played back at -6dB MP3 data of the content and use of the environment, the sound pressure level will change. 600Ω 0dBV (Unbalanced, Monaural Mini-Jack) 760g + (60g) x Signal Tower Tiers (AC Adaptor not included) 750g + (35g) x Signal Tower Tiers (AC Adaptor not included) 805g + (60g) x Signal Tower Tiers (AC Adaptor not included) 795g + (35g) x Signal Tower Tiers (AC Adaptor not included) 850g + (60g) x Signal Tower Tiers AC Adaptor not included) 850g + (35g) x Signal Tower Tiers Non-voltage contact output 2 (30VDC@3A) inrush current 5A or less (5VDC@1mA, Minimum, Reference) Solid Wire / Stranded Wire: φ 0.41 - 0.81mm (AWG26 - 20) | | | |
| Sou A Ma [Tolerand | ulation I vithstand und Pres uudio Lir ass ce ±10% Ontact O Num Cor W W | Res d Vo | re Level vironmental Condition Output NHV6 NHV4 NHV6-D NHV4-D NHV6-DP NHV4-DP ut (Only D-type) of Contacts ct Capacity Diameter g Method | 1500VAC applied for 1min (10mA or less) between live part and non-current carrying metallic part without breaking insulration 88dB or more Front direction from the center, at 1m, 1.8kHz sine wave played back at -6dB MP3 data of the content and use of the environment, the sound pressure level will change. 600Ω 0dBV (Unbalanced, Monaural Mini-Jack) 760g + (60g) x Signal Tower Tiers (AC Adaptor not included) 750g + (35g) x Signal Tower Tiers (AC Adaptor not included) 805g + (60g) x Signal Tower Tiers (AC Adaptor not included) 795g + (35g) x Signal Tower Tiers (AC Adaptor not included) 850g + (60g) x Signal Tower Tiers 840g + (35g) x Signal Tower Tiers Non-voltage contact output 2 (30VDC@3A) inrush current 5A or less (5VDC@1mA, Minimum, Reference) Solid Wire / Stranded Wire: φ 0.41 - 0.81mm (AWG26 - 20) Screwless terminal block | | | |
| Sou A Ma [Tolerand | ulation I Vithstand und Pres undio Lin uss ee ±10% Ontact O Num Cor W Cor W Contact I | Res d Vo | re Level vironmental Condition Output NHV6 NHV4 NHV6-D NHV6-DP NHV4-DP of Contacts ct Capacity Diameter g Method t (Only D-type) | 1500VAC applied for 1min (10mA or less) between live part and non-current carrying metallic part without breaking insulration 88dB or more Front direction from the center, at 1m, 1.8kHz sine wave played back at -6dB MP3 data of the content and use of the environment, the sound pressure level will change. 600Ω 0dBV (Unbalanced, Monaural Mini-Jack) 760g + (60g) x Signal Tower Tiers (AC Adaptor not included) 750g + (35g) x Signal Tower Tiers (AC Adaptor not included) 805g + (60g) x Signal Tower Tiers (AC Adaptor not included) 795g + (35g) x Signal Tower Tiers (AC Adaptor not included) 850g + (60g) x Signal Tower Tiers AC Adaptor not included) 850g + (35g) x Signal Tower Tiers Non-voltage contact output 2 (30VDC@3A) inrush current 5A or less (5VDC@1mA, Minimum, Reference) Solid Wire / Stranded Wire: φ 0.41 - 0.81mm (AWG26 - 20) | | | |
| Sou A Ma [Tolerand | ulation I vithstand und Pres uudio Lin ass ce ±10% Ontact O Num Cor W Contact I Num | Res d Vo | re Level vironmental Condition Dutput NHV6 NHV4 NHV6-D NHV4-D NHV6-DP NHV4-DP of Contacts ct Capacity Diameter g Method t (Only D-type) of Contacts | 1500VAC applied for 1min (10mA or less) between live part and non-current carrying metallic part without breaking insulration 88dB or more Front direction from the center, at 1m, 1.8kHz sine wave played back at -6dB MP3 data of the content and use of the environment, the sound pressure level will change. 600Ω 0dBV (Unbalanced, Monaural Mini-Jack) 760g + (60g) x Signal Tower Tiers (AC Adaptor not included) 750g + (35g) x Signal Tower Tiers (AC Adaptor not included) 805g + (60g) x Signal Tower Tiers (AC Adaptor not included) 795g + (35g) x Signal Tower Tiers (AC Adaptor not included) 850g + (60g) x Signal Tower Tiers 840g + (35g) x Signal Tower Tiers Non-voltage contact output 2 (30VDC@3A) inrush current 5A or less (5VDC@1mA, Minimum, Reference) Solid Wire / Stranded Wire: φ 0.41 - 0.81mm (AWG26 - 20) Screwless terminal block Non-voltage contact input NPN Transistor | | | |
| Sou A Ma [Tolerand | ulation I vithstand und Pres uudio Lin ass ce ±10% Ontact O Num Cor W Contact I Num | Res d Vo | re Level vironmental Condition Output NHV6 NHV4 NHV6-D NHV6-DP NHV4-DP of Contacts ct Capacity Diameter g Method t (Only D-type) | 1500VAC applied for 1min (10mA or less) between live part and non-current carrying metallic part without breaking insulration 88dB or more Front direction from the center, at 1m, 1.8kHz sine wave played back at -6dB MP3 data of the content and use of the environment, the sound pressure level will change. 600Ω 0dBV (Unbalanced, Monaural Mini-Jack) 760g + (60g) × Signal Tower Tiers (AC Adaptor not included) 750g + (35g) × Signal Tower Tiers (AC Adaptor not included) 805g + (60g) × Signal Tower Tiers (AC Adaptor not included) 795g + (35g) × Signal Tower Tiers (AC Adaptor not included) 850g + (60g) × Signal Tower Tiers 840g + (35g) × Signal Tower Tiers Non-voltage contact output 2 (30VDC@3A) inrush current 5A or less (5VDC@1mA, Minimum, Reference) Solid Wire / Stranded Wire: φ 0.41 - 0.81mm (AWG26 - 20) Screwless terminal block Non-voltage contact input NPN Transistor 4 "ON" output current @ 6mA or less per channel | | | |
| Sou A Ma [Tolerand | ulation I vithstand und Pres undio Lin ass ce ±10% Ontact O Num Cor W Contact II Num Cor | Res d Vo | re Level vironmental Condition Dutput NHV6 NHV4 NHV6-D NHV6-DP NHV4-DP of Contacts ct Capacity Diameter g Method t (Only D-type) of Contacts | 1500VAC applied for 1min (10mA or less) between live part and non-current carrying metallic part without breaking insulration 88dB or more Front direction from the center, at 1m, 1.8kHz sine wave played back at -6dB MP3 data of the content and use of the environment, the sound pressure level will change. 600Ω 0dBV (Unbalanced, Monaural Mini-Jack) 760g + (60g) x Signal Tower Tiers (AC Adaptor not included) 750g + (35g) x Signal Tower Tiers (AC Adaptor not included) 805g + (60g) x Signal Tower Tiers (AC Adaptor not included) 795g + (35g) x Signal Tower Tiers (AC Adaptor not included) 850g + (60g) x Signal Tower Tiers (300 x Signal Tower Tiers) Non-voltage contact output 2 (300 y C@3A) inrush current 5A or less (5VDC@1mA, Minimum, Reference) Solid Wire / Stranded Wire: φ 0.41 - 0.81mm (AWG26 - 20) Screwless terminal block Non-voltage contact input NPN Transistor 4 "ON" output current @ 6mA or less per channel Terminal OFF condition Voltage: 24VDC | | | |
| Sou A Ma [Tolerand | ulation I vithstand und Pres uudio Lir ass ce ±10% Num Cor W Contact I Num Cor W W Contact I Num Cor | Res d Vo | re Level vironmental Condition Dutput NHV6 NHV4 NHV6-D NHV4-D NHV6-DP NHV4-DP of Contacts ct Capacity Diameter g Method t (Only D-type) of Contacts | 1500VAC applied for 1min (10mA or less) between live part and non-current carrying metallic part without breaking insulration 88dB or more Front direction from the center, at 1m, 1.8kHz sine wave played back at -6dB MP3 data of the content and use of the environment, the sound pressure level will change. 600Ω 0dBV (Unbalanced, Monaural Mini-Jack) 760g + (60g) × Signal Tower Tiers (AC Adaptor not included) 750g + (35g) × Signal Tower Tiers (AC Adaptor not included) 805g + (60g) × Signal Tower Tiers (AC Adaptor not included) 795g + (35g) × Signal Tower Tiers (AC Adaptor not included) 850g + (60g) × Signal Tower Tiers 840g + (35g) × Signal Tower Tiers Non-voltage contact output 2 (30VDC@3A) inrush current 5A or less (5VDC@1mA, Minimum, Reference) Solid Wire / Stranded Wire: φ 0.41 - 0.81mm (AWG26 - 20) Screwless terminal block Non-voltage contact input NPN Transistor 4 "ON" output current @ 6mA or less per channel | | | |

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| | | Ethornat (Conforma to th | o IEEE 000 2) | |
|----------------------|------------|------------------------------------------------------------------------|-------------------------|--|
| Communication Method | | Ethernet (Conforms to the IEEE 802.3) | | |
| | | 10BASE-T / 100BASE-TX / 1000BASE-T (Auto MDI / MDI-X) | | |
| | IP Network | IPv4 / IPv6 dual | | |
| Interfac | | USB2.0/1.1 Type | | |
| Outer Dime | | Refer to the Outer Dimer | ū | |
| Accessor | ries | AC Adaptor *3 , Adhe | sive sheet | |
| | | LED Unit | LR6-E-RZ, RY, RG, RB, C | |
| | NHV6 | LLD OIIIL | LR6-E-R, Y, G, B, MZ | |
| Compatible Unit | | Wireless Data Acquisition System Transmitter | WDT-6LR-Z2 | |
| (Optional) | | LED Unit | LR4-E-RZ, RY, RG, RB, C | |
| , , , | NHV4 | LED Unit | LR4-E-R, Y, G, B | |
| | | Wireless Data Acquisition System Transmitter | WDT-4LR-Z2 | |
| | | Wall Mounting Bracket | NH-001 | |
| Optional F | Parts | Partition Mounting Bracket | NH-002 | |
| ' | | AC Adaptor | ADP-001 | |
| | | UL 62368-1, CSA C22.2 No.62368-1 | | |
| | | FCC Part 15 Subpart B(Class A), ICES-003(Class A) | | |
| Conformity St | andards | EN 55032(Class A), EN 55035, EN IEC 63000 | | |
| | | (KS C 9610-6-4, KS C 9610-6-2) *5 | | |
| | | (TR CU 020, TR EEU 037) *5 | | |
| | | *1 Only P-type | 0 001) 0 | |
| Remark | | *2 A PoE+ power supply HUB that complies with IEEE802.3at is required. | | |
| | | USB cannot be used with PoE-powered HUBs that comply with IEEE802.3af. | | |
| | | , , , | | |
| Kemar | ĸ | *3 Excludes N-type and P-type | | |
| | | *4 Does not include USB current consumption | | |
| | | *5 Only N-type and P-type | | |
| | | CE Marking UL/cUL Listed | | |

2. Model

2.1. Model Number Configuration



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2.2. Model Number List

| NHV4-0 | NHV4-0N | NHV6-0 | NHV6-0N |
|---------------|--------------|---------------|--------------|
| NHV4-1-R | NHV4-3N-RYG | NHV6-1-R | NHV6-3N-RYG |
| NHV4-1-Y | NHV4-0DN | NHV6-1-Y | NHV6-0DN |
| NHV4-1-G | NHV4-3DN-RYG | NHV6-1-G | NHV6-3DN-RYG |
| NHV4-2-RY | NHV4-0DP | NHV6-2-RY | NHV6-0DP |
| NHV4-2-RG | NHV4-3DP-RYG | NHV6-2-RG | NHV6-3DP-RYG |
| NHV4-3-RYG | NHV4-0M | NHV6-3-RYG | NHV6-0M |
| NHV4-4-RYGB | NHV4-3M-RYG | NHV6-4-RYGB | NHV6-3M-RYG |
| NHV4-5-RYGBC | NHV4-0MN | NHV6-5-RYGBC | NHV6-0MN |
| NHV4-0D | NHV4-3MN-RYG | NHV6-0D | NHV6-3MN-RYG |
| NHV4-1D-R | | NHV6-1D-R | |
| NHV4-1D-Y | | NHV6-1D-Y | |
| NHV4-1D-G | | NHV6-1D-G | |
| NHV4-2D-RY | | NHV6-2D-RY | |
| NHV4-2D-RG | | NHV6-2D-RG | |
| NHV4-3D-RYG | | NHV6-3D-RYG | |
| NHV4-4D-RYGB | | NHV6-4D-RYGB | |
| NHV4-5D-RYGBC | | NHV6-5D-RYGBC | |

3. Action Specification

3.1. Information (Main Unit)

| Signal | Tower | Lighting, Flashing pattern, and off lighting can be controlled for each LED. |
|--------|-------------------------|-------------------------------------------------------------------------------------|
| | Flashing pattern 1 | ON(500ms), OFF(500ms) (repetition) |
| | Flashing pattern 2 | ON(80ms), OFF(170ms), ON(80ms), OFF(670ms) (repetition) |
| | Flashing pattern 3 | ON(250ms), OFF(250ms) (repetition) |
| | Flashing pattern 4 | ON(1000ms), OFF(1000ms) (repetition) |
| Sound | | Up to 71 types of messages can be played on the main unit speaker and line output. |
| | Number of messages | MP3 File: 60 kinds Preset: 11 kinds |
| | MP3 Format | Bit Rate: 32kbit/s, 64kbit/s, 128kbit/s Constant Bit Rate (CBR) only |
| | Preset | Buzzer Sound : 5 kinds Chime Sound : 3 kinds Voice Sound : 3 kinds |
| | Playback Pattern | One-shot Playback, Repeat Playback, Endless Playback |
| | One-shot Playback | It is played back once per playback event. |
| | Repeat Playback | It is played back when set up to play a certain number of times per playback event. |
| | | Number of playback times : 1 - 254 |
| | Endless Playback | It will play back repeatedly per playback event. |
| | Playback Mode | Input Priority Playback, Memory Playback |
| | Input Priority Playback | If a new playback event occurs, the channel being played back |
| | | will be interrupted and a new channel will play. |
| | Memory Playback | When playback is ended, the next available channel stored in memory will play. |
| Buzzer | | 5 kinds of buzzer sounds |
| | Buzzer pattern 1 | ON(250ms), OFF(250ms) (repetition) |
| | Buzzer pattern 2 | ON(500ms), OFF(500ms) (repetition) |
| | Buzzer pattern 3 | ON(200ms), OFF(50ms), ON(200ms), OFF(550ms) (repetition) |
| | Buzzer pattern 4 | ON(continuity) |
| | Buzzer pattern 5 | ON(1000ms), OFF(1000ms) (repetition) |

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3.2. External Control

| External Contact Output | External contact output can be controlled when an event occurs or outputting sound. |
|-------------------------|-------------------------------------------------------------------------------------|
| Contact Function | Digital Output, BUSY Output |
| Digital Output | The digital "A Contact" or "B Contact" output |
| Digital Output | for an automatic OFF function of the digital output port can be set up. |
| DUCY Output | It controls the relay contact output |
| BUSY Output | in conjunction with the signal output from the line-out. |

3.2. Information (Network)

| Email Notification | | When an event occurs, an e-mail message is transmitted |
|---------------------------|--------------|----------------------------------------------------------|
| Number of no | otifications | 8 |
| Authentication | n protocol | SMTP certification(Password, OAuth2), POP authentication |
| Security | | SSL/TLS, STARTTLS, none |
| SNMP Notification | | When an event occurs, Trap or Inform is executed. |
| Number of no | otifications | 8 |
| Version | | v1 / v2c / v3 |
| HTTP Notification | | When an event occurs, HTTP command is executed. |
| Number of no | otifications | 8 |
| Protocol | | HTTP, HTTPS |
| Method | | GET |

4. Function Specification

4.1. Main Unit Control Function

| RSH Command | Controllable with RSH Command |
|---------------------------------------------------|------------------------------------------------------------------|
| SSH Command Controllable with SSH Command | |
| HTTP Command | Controllable with HTTP Command |
| Socket Communication | Controllable with PNS Command and PHN Command |
| SNMP Command Controllable with SNMP "set" Command | |
| Version | v1 / v2c / v3 |
| "Clear" Button | Clear operation is possible with "Clear" Button of the main unit |

| | | Controllable Action | | | | | | |
|----------------|-------------|---------------------|-------------|-------------|----------|-------------|-------------|----------|
| Comman | Command | | Sound | Buzzer | Digi-Out | e-mail | SNMP | HTTP |
| RSH Comm | nand | 1 | ✓ | √ | ✓ | √ *1 | ✓ *1 | - |
| SSH Comm | SSH Command | | ✓ | √ | ✓ | √ *1 | ✓ *1 | - |
| HTTP Comm | nand | 1 | √ *2 | ✓ | ✓ | - | - | - |
| Socket | PNS | 1 | ✓ | √ | ✓ | - | - | - |
| Socker | PHN | △*3 | - | △*4 | - | - | - | - |
| SNMP Command | | 1 | ✓ | ✓ | ✓ | - | - | - |
| "Clear" Button | | √ | √ *5 | √ *6 | √ | √ | 1 | √ |

- *1 It can be used when e-mail or SNMP is set to "Active" in the RSH/SSH Command Configuration.
- *2 It is possible to play back received text data by performing speech synthesis in real time.
- *3 Signal Tower "Red", "Amber" and "Green", and Flashing pattern 1
- *4 Buzzer pattern1 and Buzzer pattern2
- *5 In memory playback mode, you can proceed to the next message
- *6 It is possible to stop only the buzzer while maintaining the state of Signal Tower.

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4.2. External Monitoring Function

| Ping N | Ionitoring Function | Network abnormality detection by sending Ping network devices |
|--------|---------------------------------|----------------------------------------------------------------------|
| | Number of Monitoring | 24 |
| | Number of Group | 3 |
| | Monitoring Cycle | 1 - 600 seconds |
| | Sending Count | The number of times to detect can be set from 1 to 30. |
| | Number of Sending | The number of sending Ping by one monitoring can be set from 1 to 3. |
| SNMP | Trap Reception Function | Trap Reception detection |
| | Version | v1 / v2c / v3 |
| | Number of Reception | 64 |
| | variable-bindings | 2 OID per 1 Trap Reception |
| | Detectable Type | INTEGER, OCTET STRING (String data, Binary data) |
| SNMP | Supported Equipment | For SNMP Supported equipment, with SNMP command, |
| Monito | or Function | their status can be acquisitioned periodically and monitored. |
| | Version | v1 / v2c / v3 |
| | Monitoring Cycle | 1 - 60 seconds |
| | Detection method | Condition Agreement Detection : 20 Change Detection : 5 |
| | Condition Agreement | Dtection that the acquired value meets the condition |
| | Detectable Type | INTEGER, OCTET STRING (String data, Binary data) |
| | Change Detection | Detection that the acquired value has changed |
| | Detectable Type | INTEGER |
| Mail D | etection (Only M-type) | Detect incoming mail on the mail server. |
| | Protocol | IMAP, IMAPS, POP3, POP3S |
| | Authentication method | Password Authentication, OAuth2 |
| | Encryption Method | SSL/TLS, STARTTLS, none |
| | Mail check interval | 10 - 3600 seconds |
| | Filter Rule | Conditions for detecting target emails can be set. |
| | Number of Condition | 20 |
| | Detection Target | Sender, Subject, Body text |
| | Decision condition | [Matches with], [Beginning with], [Include], [Be free of] |
| | al Contact Input or Function | It monitors the state change of external contact input. |
| | Digital Logic Setting | A Contact, B Contact |
| | Detection method | Status Change Detection, Status Agreement Detection |
| | Status Change | Detection of change from OFF to ON or change from ON to OFF |
| | | Detecting the input for a certain period of time |
| | Status Agreement | Detection time: 1 - 3600 seconds Number of Detection: 4 |

| | | Excutable action at detection | | | | | | |
|------------------------|----------|-------------------------------|--------|----------|--------|------|------|------|
| Monitoring | Signal | Sound | Buzzer | Digi-Out | e-mail | SNMP | HTTP | MQTT |
| Ping Monitoring | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 1 |
| SNMP Trap Reception | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 1 |
| SNMP Supported | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 1 |
| Mail Detection *1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 1 |
| External Contact Input | √ | √ | / | ✓ | ✓ | ✓ | ✓ | 1 |

^{*1} Mail detection is only available for M-type

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4.3. Main Unit Status Acquisition Function

| RSH Command | The state of the main body can be acquired by the status acquisition command. |
|----------------------|-------------------------------------------------------------------------------|
| SSH Command | The state of the main body can be acquired by the status acquisition command. |
| Socket Communication | Status acquisition available with PNS Command and PHN Command |
| SNMP Command | Status acquisition available with SNMP "get" Command |
| Version | v1 / v2c / v3 |
| HTTP Communication | The state of the main body can be acquired in XML/JSON data format. |

| | | | Acquisition data | | | | | | |
|----------------------|-----|--------------|------------------|-------------|---------|----------|--|--|--|
| Command | | Signal Tower | Sound | Buzzer | Digi-In | Digi-Out | | | |
| RSH Command | | ✓ | ✓ | ✓ | ✓ | ✓ | | | |
| SSH Command | | ✓ | ✓ | ✓ | ✓ | ✓ | | | |
| Socket | PNS | ✓ | ✓ | ✓ | ✓ | ✓ | | | |
| Socket | PHN | ✓ *1 | - | √ *2 | - | - | | | |
| SNMP Command | | ✓ | ✓ | ✓ | ✓ | ✓ | | | |
| XML/JSON format file | | ✓ | ✓ | ✓ | ✓ | ✓ | | | |

^{*1} Signal Tower "Red", "Amber" and "Green", and Flashing pattern 1

4.4. Main Unit Setting Function

| Time Correction Function | The internal clock in this product can communicate with an NTP server | | | | |
|---------------------------|-------------------------------------------------------------------------------------------|--|--|--|--|
| Time Correction Function | to automatically correct the time. | | | | |
| Automatic Notwork Cotting | Network setting in this product can communicate with an DHCP server | | | | |
| Automatic Network Setting | to automatically set. | | | | |
| Master Volume Setting | Master Volume of Buzzer and Sound can be set | | | | |
| Flash Control Setting | The brightness of the LED unit can be reduced.*1 | | | | |
| Standard Action Setting | The color of Signal Tower that lights up after the clear operation is executed can be set | | | | |
| Calf test Function | Self test of Signal Tower and buzzer is possible | | | | |
| Self-test Function | with test button of the main body and RSH/SSH command. | | | | |
| Config Setting | Various settings of the main body can be read and written as setting file. | | | | |
| Event Log | Event logs can be downloaded via web browser. | | | | |
| Text-to-speech synthesis | Speech synthesis from text data can be registered as voice data. | | | | |
| Supported languages | Japanese (Kanji-Kana mixed text), English | | | | |
| Main Unit Setting | Various settings of the main body can be done with a web browser. | | | | |
| Supported browsers | Google Chrome *2 Microsoft Edge *3 | | | | |
| Languages supported | Japanese, English, Traditional Chinese, Sinplified Chinese, Korean, Thai | | | | |
| on the setting screen | German, French, Italian, Spanish, Mexican | | | | |
| | | | | | |

^{*1} Light reduction is not possible when using LR4/6-E-MZ or WDT-4/6LR-Z2.

^{*2} Buzzer pattern 1 and Buzzer pattern 2

^{*2} Google Chrome is a trademark or registered trademark of Google LLC.

^{*3} Microsoft Edge is registered trademark of Microsoft Corporation in the United States and other countries.

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4.5. Cloud Function

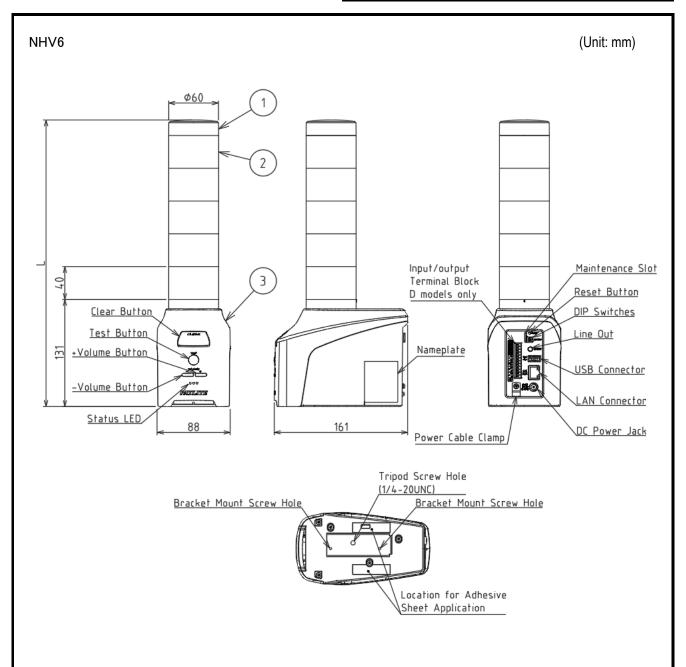
| _ | | | | | |
|------------------------------|--------------------------|---------------------|------------------------------------------------------|--|--|
| Sun | Supported Cloud Platform | | Microsoft Azure *1 | | |
| Supp | | | Amazon Web Services (AWS) *2 | | |
| | | Connection | Azure IoT Central/DPS, Azure IoT Hub | | |
| | Λ - 711ro | Settings | (IoT Plug and Play) | | |
| | Azure | Duilt in factures | Device Twin, Direct Method, Device-to-cloud Message, | | |
| | | Built-in features | Cloud-to-device Message | | |
| | AWS | Connection Settings | AWS IoT Core | | |
| | AVVS | Built-in features | Device Shadow, MQTT client | | |
| Main | Main Unit Control | | Signal Tower, Sound *3, Buzzer, Digital Output | | |
| Main Unit Status Acquisition | | us Acquisition | Signal Tower, Sound, Buzzer, Digital Output | | |
| Main | Linit Ctat | ua Transmission | Signal Tower, Sound, Buzzer, "Clear" button, | | |
| Iviair | i Unit Stat | us Transmission | Digital Output, Digital Input | | |

^{*1} Microsoft Azure is registered trademark of Microsoft Corporation in the United States and other countries.

^{*2} Amazon Web Services, the "Powered by AWS"logo, and any other AWS trademarks used in such materials are trademarks of Amazon.com, Inc. or its affiliates in the United States and other countries.

^{*3} It is possible to play back received text data by performing speech synthesis in real time.

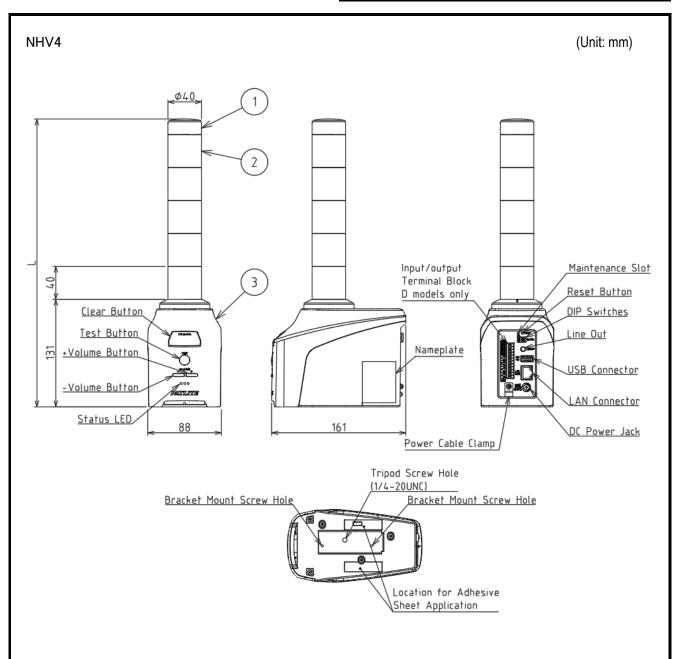
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| No. | Parts name | Material | Color |
|-----|------------|----------|-----------------------|
| 1 | Head Cover | PC | Off-white |
| 2 | LED Unit | PC | Clear |
| 3 | Main Body | ABS | Off-white/Medium Gray |

| Number of LED | L |
|---------------|-----|
| 0 tiers | 150 |
| 1 tier | 190 |
| 2 tiers | 230 |
| 3 tiers | 270 |
| 4 tiers | 310 |
| 5 tiers | 350 |

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| No. | Parts name | Material | Color |
|-----|------------|----------|-----------------------|
| 1 | Head Cover | PC | Off-white |
| 2 | LED Unit | PC | Clear |
| 3 | Main Body | ABS | Off-white/Medium Gray |

| Number of LED | L |
|---------------|-----|
| 0 tiers | 150 |
| 1 tier | 190 |
| 2 tiers | 230 |
| 3 tiers | 270 |
| 4 tiers | 310 |
| 5 tiers | 350 |

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