SIEMENS Fire Safety

U-MHU Series for Outdoor Use

Weatherproof Models U-MHU Electronic Sync/Non-Sync Horn for Outdoor Use

ENGINEER AND ARCHITECT SPECIFICATIONS

- Listed for outdoor use when mounted to a MT-SUR-BOX outdoor backbox
- Available with a 100 candela strobe
- Sync strobes and sync temporal horns, with horn silence on 2 wires
- Distinctive temporal horn
- Internally adjustable volume control
- UL 1971 & UL 464 listed
- UL 1971 listed for wall mount only
- ADA/NFPA/ANSI compliant
- Screw terminals accept 12 awg wire
- Synchronization requires Dual Sync Control Module or PAD-3
- Made in U.S.A., ISO 9001 quality crafted



U-MHU-S110



MT-SUR-BOX



U-MHU-WP

Description

The weatherproof Sync Electronic Horns and Horn Strobes provide synchronous strobes with synchronous temporal tone signals on one pair of wires or temporal or steady tone in a non-sync mode.

Siemens Building Technologies, Inc., Fire Safety notification appliances are designed with the installer in mind. They are constructed with the electronics in the housing and not in the box. This design eliminates possible ground faults from crowded electrical boxes.

An internal volume control provides adjustment of dBA output levels.

The strobe construction consists of a Xenon flashtube with solid state circuitry for maximum reliability and efficiency. The strobe has a rounded dome shape made of clear polycarbonate.

These weatherproof appliances are used on circuits with steady power or a Dual Sync Control Module or PAD-3. Not for use on coded circuits.



Detail - Volume adjust (factory set at max. volume)

Environmental

-31°F to 150°F (-35°C to 66°C) Maximum humidity of 98% RH± 2%

Operating Voltage Range Limits

Horn: 16-32 Vdc or VFWR Strobe: 20-31 Vdc or VFWR Strobe current at 24 Vdc 249mA

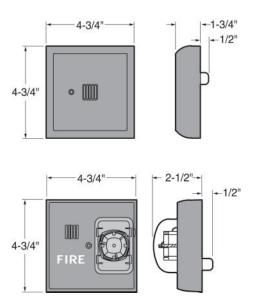
Typical Horn Ratings at 10 Feet*

Temporal Horn -

Maximum: 95 db @ 54 mA Minimum: 90 db @ 30 mA

* Typical dBA ratings are frontal sound readings taken with a dB meter with signal mounted on wall.

Dimensions



Listed operating range is 16 to 32 VDC/FWR
Temporal maximum UL measurements are 83.6 db at
24VDC/FWR. Steady tone maximum UL measurements
are 87.8 db at 24 VDC/FWR taken in free air at 360°
around the device and averaged. Typical readings are
frontal sound readings taken with a dB meter with signal
mounted on wall. Rated for indoor or outdoor use.

NOTE: These notification appliances are UL listed and rated as "special application", which represents appliances which have been investigated to operate as described in the product's installation instructions over the voltage range of 16-32 VDC or VFWR.

Control Module Specifications:

Maximum Current Output: 3 Amps Max. not

to exceed NAC rating

DSC Module Operating Voltage: 16 to 32 Vdc or VFW

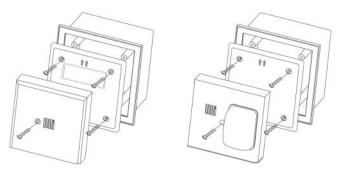
DSC Module Operating Current: Non-Silenceable

Circuit side - 55mA, Silenceable Circuit side - .005 Amps.

Maximum Current Output: 3 Amps max. not to

exceed Circuit rating

Mounting to MT-SUR-BOX Backbox



For the complete wiring diagram for U-MHU Series Horn/Strobes refer to Installation Instruction Sheet

Ordering Information

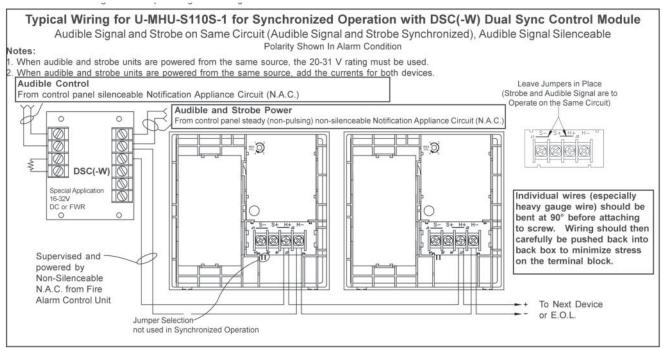
U-MHU Series Horn Wall Mount

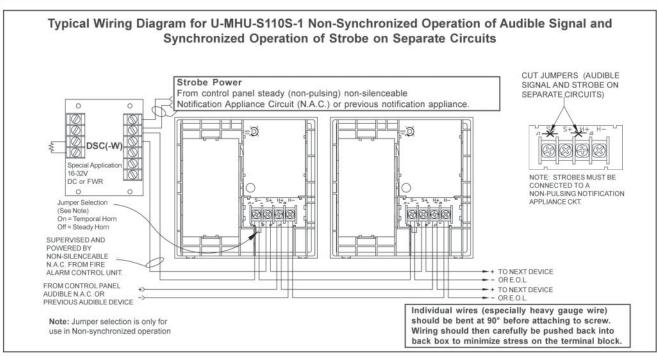
Model Number	Description	Part Number	Low Volume Horn Current	High Volume Horn Current	Strobe Current at 24Vdc	High Volume dB Rating @10'
U-MHU-WP	Electronic Outdoor Sync-Horn, Red	500-649090	30ma	54ma		95 db
U-MHU-S110S-1	Electronic Outdoor Sync-Horn/Sync-Strobe, Red	500-649460	30ma	54ma	249mA	95 db
U-MHU-S110-1	Electronic Outdoor Horn/Strobe, Red	500-649461	30ma	54ma	249mA	95 db
MT-SUR-BOX	Outdoor Backbox, Red	500-693168				

^{*}All current measurements made at 24VDC

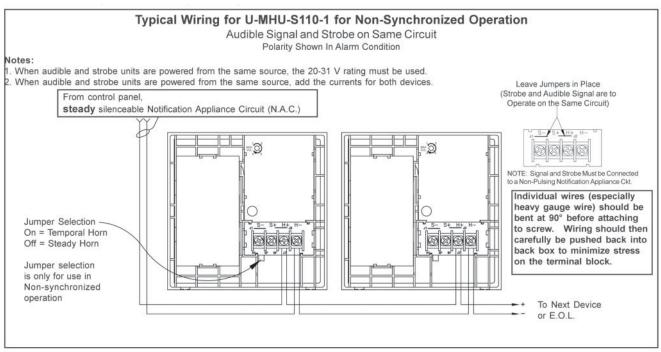
NOTE: Refer to installation sheet P/N 315-149460-2 for UL dB ratings

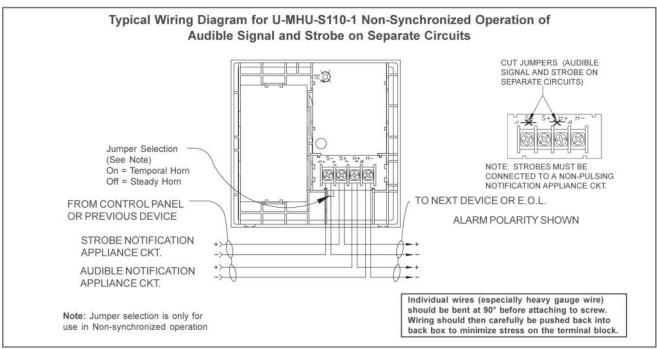
Wiring Diagram





Wiring Diagram





Wiring Diagram

