

MS50

the Proven

FEATURES

- complete offering of led steady, flashing, strobe and multi-strobe beacons
- modular signal tower system with bayonet locking
- quick to put together and easy, cost- effective to dismantle for transportation

INDUSTRY/APPLICATION

- plant/mechanical/construction engineering
- logistics facilities
- electrical wholesale



MS50 modular signal tower

- Ø 50 mm | 1.97 Inch modular signal tower series
 - Extensive range of light and tone modules
 - LED/xenon/incandescent bulb technology,
6 different lens colours
 - Alternatively operated with conventional
incandescent bulb technology
 - Piezo buzzer modules
- Extensive range of mounting types
- Housing colours black or grey
 - PLC-suitable
 - High degree of protection IP65, UL type 4/4X/13

TECHNICAL DATA

| | |
|----------------------------|---|
| Housing | Ø 50 mm 1.97 Inch, Polycarbonate black (RAL 9005) or grey (RAL 7035) |
| Lens | Polycarbonate, ribbed inside amber, red, clear, blue, green or yellow |
| Type of mounting | any |
| Connection technology | 2,5 mm ² , B15d socket |
| Leakage current | 3 mA (PLC-suitable) |
| Beacon type | LED steady beacon, LED flashing beacon, LED strobe beacon, LED multi strobe beacon, Steady/flashing beacon (incandescent bulb) or Xenon strobe beacon |
| Light source | LEDs, Xenon flashtube, incandescent bulb |
| Luminous intensity | 1 J Strobe energy |
| Strobe/flash frequency | Flashing beacon 2 Hz and Strobe beacon 1.4 Hz |
| Tone | 2 Tones, Steady tone or Pulsing tone |
| Volume | 88-103 dB (can be adjusted with DIP switch) |
| Tone frequency | 2.700 Hz |
| Duty cycle | 100 % |
| Service life: | Light source: Xenon tube 10 million flashes, LED 100,000 hours |
| Number of possible modules | max. 5 |
| Operating temperature | -25 °C / +50 °C -13 °F / +122 °F |
| Degree of protection: | IP65 & UL Type 4/4x/13 |
| Weight (modules) | 55-100 g 0.12-0.22 lbs |



MS50



MS50 Order numbers



VISUAL MODULES

| Type | Beacon type | Lens colour | Nominal voltage | Voltage range (V) | Nominal current (mA) | Order number | | |
|--------|-----------------|-------------|-------------------|-------------------|----------------------|--------------|----|-------------|
| VLL | Steady beacon | amber | 12-250 V AC/DC | +/- 10 % | | 750 001 900 | | |
| | | red | 12-250 V AC/DC | +/- 10 % | | 750 002 900 | | |
| | | clear | 12-250 V AC/DC | +/- 10 % | | 750 004 900 | | |
| | | blue | 12-250 V AC/DC | +/- 10 % | | 750 005 900 | | |
| | | green | 12-250 V AC/DC | +/- 10 % | | 750 006 900 | | |
| | | yellow | 12-250 V AC/DC | +/- 10 % | | 750 007 900 | | |
| VLB | Flashing beacon | amber | 12-24 V AC/DC | +/- 10 % | | 760 001 405 | | |
| | | | 110-120 V AC | +/- 10 % | | 760 001 310 | | |
| | | | 230-240 V AC | +/- 10 % | | 760 001 313 | | |
| | | red | 12-24 V AC/DC | +/- 10 % | | 760 002 405 | | |
| | | | 110-120 V AC | +/- 10 % | | 760 002 310 | | |
| | | | 230-240 V AC | +/- 10 % | | 760 002 313 | | |
| | | clear | 12-24 V AC/DC | +/- 10 % | | 760 004 405 | | |
| | | | 110-120 V AC | +/- 10 % | | 760 004 310 | | |
| | | | 230-240 V AC | +/- 10 % | | 760 004 313 | | |
| | | blue | 12-24 V AC/DC | +/- 10 % | | 760 005 405 | | |
| | | | 110-120 V AC | +/- 10 % | | 760 005 310 | | |
| | | | 230-240 V AC | +/- 10 % | | 760 005 313 | | |
| | | green | 12-24 V AC/DC | +/- 10 % | | 760 006 405 | | |
| | | | 110-120 V AC | +/- 10 % | | 760 006 310 | | |
| | | | 230-240 V AC | +/- 10 % | | 760 006 313 | | |
| | | yellow | 12-24 V AC/DC | +/- 10 % | | 760 007 405 | | |
| | | | 110-120 V AC | +/- 10 % | | 760 007 310 | | |
| | | | 230-240 V AC | +/- 10 % | | 760 007 313 | | |
| | | VDC | LED steady beacon | amber | 110-120 V AC | +/- 10 % | 33 | 751 001 310 |
| | | | | | 230-240 V AC | +/- 10 % | 36 | 751 001 313 |
| | | | | | 24 V AC/DC | +/- 10 % | 29 | 751 001 405 |
| | | | | red | 110-120 V AC | +/- 10 % | 33 | 751 002 310 |
| | | | | | 230-240 V AC | +/- 10 % | 36 | 751 002 313 |
| | | | | | 24 V AC/DC | +/- 10 % | 29 | 751 002 405 |
| clear | 110-120 V AC | | | +/- 10 % | 33 | 751 004 310 | | |
| | 230-240 V AC | | | +/- 10 % | 36 | 751 004 313 | | |
| | 24 V AC/DC | | | +/- 10 % | 29 | 751 004 405 | | |
| blue | 110-120 V AC | | | +/- 10 % | 33 | 751 005 310 | | |
| | 230-240 V AC | | | +/- 10 % | 36 | 751 005 313 | | |
| | 24 V AC/DC | | | +/- 10 % | 29 | 751 005 405 | | |
| green | 110-120 V AC | | | +/- 10 % | 33 | 751 006 310 | | |
| | 230-240 V AC | | | +/- 10 % | 36 | 751 006 313 | | |
| | 24 V AC/DC | | | +/- 10 % | 29 | 751 006 405 | | |
| yellow | 110-120 V AC | | | +/- 10 % | 33 | 751 007 310 | | |
| | 230-240 V AC | | | +/- 10 % | 36 | 751 007 313 | | |
| | 24 V AC/DC | | | +/- 10 % | 29 | 751 007 405 | | |

| | | | | | | |
|--------------|---------------------|--------|-------------------|----------|--------------|-------------|
| VDA | LED flashing beacon | amber | 24 V AC/DC | +/- 10 % | 30 | 761 001 405 |
| | | | 110-120 V AC | +/- 10 % | 34 | 761 001 310 |
| | | blue | 24 V AC/DC | +/- 10 % | 30 | 761 005 405 |
| | | | 110-120 V AC | +/- 10 % | 34 | 761 005 310 |
| | | green | 24 V AC/DC | +/- 10 % | 30 | 761 006 405 |
| | | | 110-120 V AC | +/- 10 % | 34 | 761 006 310 |
| | | red | 24 V AC/DC | +/- 10 % | 30 | 761 002 405 |
| | | | 110-120 V AC | +/- 10 % | 34 | 761 002 310 |
| | | yellow | 24 V AC/DC | +/- 10 % | 30 | 761 007 405 |
| | | | 110-120 V AC | +/- 10 % | 34 | 761 007 310 |
| | | | 24 V AC/DC | +/- 10 % | 29 | 751 006 405 |
| | | VDF | LED strobe beacon | amber | 110-120 V AC | +/- 10 % |
| 230-240 V AC | +/- 10 % | | | | 24 | 771 001 313 |
| 24 V AC/DC | +/- 10 % | | | | 89 | 771 001 405 |
| red | 110-120 V AC | | | +/- 10 % | 24 | 771 002 310 |
| | 230-240 V AC | | | +/- 10 % | 24 | 771 002 313 |
| | 24 V AC/DC | | | +/- 10 % | 89 | 771 002 405 |

Discontinued

MS50 Order numbers

VISUAL MODULES

| Type | Beacon type | Lens colour | Nominal voltage | Voltage range (V) | Nominal current (mA) | Order number |
|------|---------------------|-------------|-----------------|-------------------|----------------------|--------------|
| VLF | Xenon strobe beacon | amber | 12-24 V AC/DC | +/- 10 % | 70 | 770 001 405 |
| | | | 110-120 V AC | +/- 10 % | 26 | 770 001 310 |
| | | | 230-240 V AC | +/- 10 % | 15 | 770 001 313 |
| | | red | 12-24 V AC/DC | +/- 10 % | 70 | 770 002 405 |
| | | | 110-120 V AC | +/- 10 % | 26 | 770 002 310 |
| | | | 230-240 V AC | +/- 10 % | 15 | 770 002 313 |
| | | clear | 12-24 V AC/DC | +/- 10 % | 70 | 770 004 405 |
| | | | 110-120 V AC | +/- 10 % | 26 | 770 004 310 |
| | | | 230-240 V AC | +/- 10 % | 15 | 770 004 313 |
| | | blue | 12-24 V AC/DC | +/- 10 % | 70 | 770 005 405 |
| | | | 110-120 V AC | +/- 10 % | 26 | 770 005 310 |
| | | | 230-240 V AC | +/- 10 % | 15 | 770 005 313 |
| | | green | 12-24 V AC/DC | +/- 10 % | 70 | 770 006 405 |
| | | | 110-120 V AC | +/- 10 % | 26 | 770 006 310 |
| | | | 230-240 V AC | +/- 10 % | 15 | 770 006 313 |
| | | yellow | 12-24 V AC/DC | +/- 10 % | 70 | 770 007 405 |
| | | | 110-120 V AC | +/- 10 % | 26 | 770 007 310 |
| | | | 230-240 V AC | +/- 10 % | 15 | 770 007 313 |

AUDIBLE MODULES

| Type | Tone | Volume | Nominal voltage | Housing colour | |
|------|--|-----------|-----------------|----------------|-------------|
| | | | | black | grey |
| VDE | Piezo buzzer module | 88-103 dB | 12 V AC/DC | 781 500 404 | 781 100 404 |
| | | | 24 V AC/DC | 781 500 405 | 781 100 405 |
| | | | 110-120 V AC | 781 500 310 | 781 100 310 |
| | | | 230-240 V AC | 781 500 313 | 781 100 313 |
| VDZ | Piezo buzzer module, tone can be switched externally | 88-103 dB | 12 V AC/DC | 782 500 404 | 782 100 404 |
| | | | 24 V AC/DC | 782 500 405 | 782 100 405 |
| | | | 110-120 V AC | 782 500 310 | 782 100 310 |
| | | | 230-240 V AC | 782 500 313 | 782 100 313 |



MS50 Order numbers

BASE MODULES

ITEMS IN RED ARE DISCONTINUED

| Type | Designation | Tube length | Housing colour | |
|------|--|---------------------|----------------|-------------|
| | | | grey | black |
| VMW | Base for horizontal mounting M20 | | 790 120 900 | 790 520 900 |
| VNW | Base for vertical mounting NPT 1/2" | | 790 130 900 | 790 530 900 |
| VMR | Tube base mounted on aluminium tube with plastic foot | 50 mm 1.97 Inch | | 790 541 900 |
| | | 100 mm 3.94 Inch | 790 142 900 | 790 542 900 |
| | | 250 mm 9.84 Inch | 790 143 900 | 790 543 900 |
| | | 400 mm 15.75 Inch | 790 144 900 | 790 544 900 |
| | | 800 mm 31.5 Inch | | 790 547 900 |
| VSR | Tube base on stainless steel tube with die-cast zinc foot, powder-coated | 100 mm 3.94 Inch | | 790 552 900 |
| VSW | Tube base for horizontal mounting with aluminium tube and screw | 50 mm 1.97 Inch | 790 171 900 | 790 571 900 |
| | | 100 mm 3.94 Inch | 790 172 900 | 790 572 900 |
| | | 250 mm 9.84 Inch | 790 173 900 | 790 573 900 |
| | | 400 mm 15.75 Inch | 790 174 900 | 790 574 900 |
| | | 800 mm 31.5 Inch | | 790 577 900 |
| VFR | Tube base on aluminium tube with foot adapter for quick mounting | 100 mm 3.94 Inch | 790 182 900 | 790 582 900 |
| | | 250 mm 9.84 Inch | 790 183 900 | 790 583 900 |
| | | 400 mm 15.75 Inch | | 790 584 900 |
| VMV | Base for vertical mounting | | 790 140 900 | 790 540 900 |



VMW



VNW



VMR



VSR



VSW



VFR