

**TWS-BC WIRING** (base/cap module) Page 235

**Mechanical**

Degree of protection: **IP66**  
 Operating temperature: -22°F+140°F  
 Recommended wire size: .5-2.5mm  
 Cover lock ring tightening torque: Nm 4 (Kgm 0.4)  
 Terminal tightening torque: Nm 0.5 (Kgm 0.05)

**Electrical**

Voltage: 240 maximum

**Materials**

Housing/cover/lockring: Polycarbonate grey Ral 7035  
 Gaskets: EPDM  
 Screws: Zinc coated steel  
 Base printed circuit: FR4  
 Terminal board: 6 way, PA 6.6  
 Cable clamp: Nylon 6.6

**TWS-A** (horn module) Page 238

**Mechanical**

TWS-A (**IP54**) **NEMA 12**  
 Degree of protection: TWS-A - **IP65** - **NEMA 4, 4X**  
 TWS-AM (**IP54**) **NEMA 12**

Operating temperature: -22°F+140°F  
 Cover lock ring tightening torque: Nm 4 (Kgm 0.4)

**Electrical**

Voltage: 12/24V AC/DC, 110/240V AC

**mA:** 2.7 (12V), 6 (24V), 4 (110V), 8.5 (240V)

**Materials**

Housing/lockring: Polycarbonate grey Ral 7035  
 Gaskets: EPDM  
 Screws: Zinc coated steel  
 Vertical printed circuit: FR4

**dB Ratings @ 1M:** 76 (12V), 82 (24V)  
 83 (110V), 86 (240V)

**TWS-F/L/X** (light modules) Pages 235,236

**Mechanical**

Degree of protection: **IP66, NEMA 4/4X**  
 Operating temperature: F, L (-22°+140°F) x (+14°-122°F)  
 Cover lock ring tightening torque: Nm 4 (Kgm 0.4)

**Electrical**

24 Volt to 240 Volt, see page S 6

150 ± 20 flashes per minute, see page S 6

**Materials**

Lens: Polycarbonate  
 Light separator, lampholder & lockring: Ral 7035  
 Gaskets: EPDM  
 Screws: Zinc coated steel  
 Vertical printed circuit: FR4

**MOUNTING ACCESSORIES** Page 239

**Mechanical**

Tightening torque: Nm 0.5 (Kgm 0.05)

**Materials**

Housing: Polycarbonate grey Ral 7035  
 Base gaskets/O-rings: EPDM

**RATINGS**

IP66, NEMA 4X

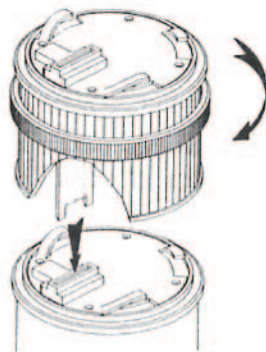


totally protected  
against dust

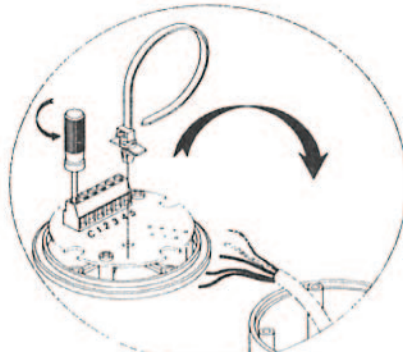


protected against  
strong jets of water  
from all directions

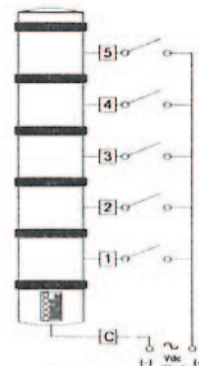
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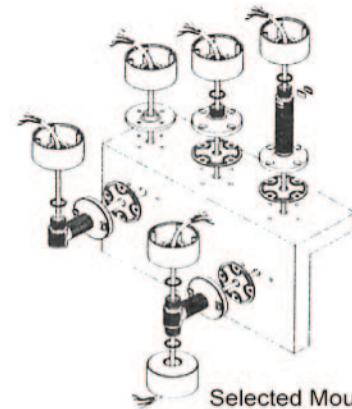
Quick Assembly



Base Wiring #TWS-BC



Circuit



Selected Mounting  
Options