856T 70 mm Control Tower Signaling System

Flexible and Easy to Configure

Bulletin 856T Features and Benefits

- Able to monitor more critical conditions of the machine in a single signaling device – seven circuits available
- Performance in tough environmental conditions
  - IP66/67 ingress rating
  - Extended operating temperature range (-30...+70 °C)
- Easier selection thanks to a reduced number of components
- Minimized installation and setup time
  - Easy wire termination (Push-in terminal blocks or M12 quick disconnect bases)
  - Internal DIP switches to select module output or function
- Multiple audible choices to complement the visual indication
- Available for purchase as separate components or as pre-configured, factory-assembled
- IO-Link functionality enables integration with The Connected Enterprise®, delivering status information (operating hours, circuit counters) and diagnostics (open/short circuit detection, vibration indication) from the 856T directly into a control system to help minimize downtime and increase productivity

IO-Link

The Next Generation of Flexibility, Modularity and Effectiveness

The new 856T Control Tower signaling system features a proven, modular construction design incorporating bright LED illumination and a broad offering of sound technologies all in a 70 mm diameter housing. This new design allows the 856T to meet the widest range of signaling applications with a reduced number of components without compromising functionality and flexibility.

TOP MOUNTED BEACONS

Steady/Flashing
DIP switch selectable

Strobe Beacon
Single or double pulse strobe
DIP switch selectable

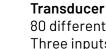**Rotating Beacon**
Two speeds, selectable, 90 and 180 rpm

RGB LED Multi-color Beacon
Steady operating mode
Requires three circuits for full
seven color operation

SOUNDERS

Top-mount
(105 dB)

Transducer
80 different tones
Three inputs to externally select
up to seven different tones

Top-mount
(90 dB A voice)
(95 dB A tone)

Recordable
Plays up to seven pre-recorded voice messages
Channel control via external wiring

In-line
(102 dB)

Top-mount
(105 dB)

Piezoelectric
Single circuit
Up to eight tones, DIP switch selectable

LIGHT MODULES

Steady Light Module
White LEDs in colored plastic lens Red LED
for red light module

Multi-function Light Module
Steady / Flashing / Strobe / Double Strobe
Flashing 2Hz
Strobe (1 pulse) 1.4 Hz
Strobe (2 pulse) 1.4 Hz
Function selected at module via DIP switch

Rotating Light Module
Two speeds selectable via DIP switch
(90 and 180 rpm)

RGB LED Multi-color Light Module
Display up to seven colors in one device
Steady light operation mode
Requires three circuits for full seven
color operation

POWER MODULES

24V AC/DC
(seven
circuits)

120/240V AC
(three
circuits)

120/240V AC
(seven
circuits)

⊘ **IO**-Link

IO-Link
module

All lights and sounders operate
on 24V AC/DC
Power modules available for
24V AC/DC 24V AC/DC or 120/240V AC

IO-Link module
Discrete control real time data and
diagnostics

BASE MOUNTING ADAPTORS

Vertical
mount

Surface
mount 1/2 in.
NPT internal
thread

Surface
mount
pre-installed
screws

Standard
aluminum
pole mount
10, 25, 40
and 60 cm
pole
lengths

Threaded
tube 10
and 25 cm
tube
lengths

These adaptors accept the power module
and enable the assembly to be mounted
to a variety of surfaces.

PRE-ASSEMBLED BASES

Quick
release
5 levels
(pre-wired)

Surface mount
M12 micro
connector
(8-pin)

Surface mount
M12 micro
connector
(5-pin)

Base mechanical adaptor and 24V AC/DC
power module
Power module can not be detached in
the field

PRE-CONFIGURED BASES

Complete pre-configured bases with
power module also available as single
catalog number

Modular design makes it easy as "1-2-3" to configure and assemble a stack to meet your application

All sound and light modules in the Bulletin 856T line are operate at 24V AC/DC and share the same mounting system and can be stacked in the desired order. Assemblies can be powered with 24V AC/DC or 120/240V AC.

Component Selection

4 — **Select Top Sounder or Beacon**

3 — **Select Light Modules or In-Line Sounders**

2 — **Select Power or IO-link Module***

1 — **Select the Base Mounting Adaptor**

* Not compatible with M12 5- or 8-pin connector bases.

Environmental Ratings

Ingress Ratings		Suitable for indoor and outdoor use
UL Type 4/4X/13	IP66/67[1]	
Temperature Ratings		
Operating	Storage	Relative Humidity
–30...+70 °C (–22...+158 °F)[2]	30...+85 °C (–22...+185 °F)	90% noncondensing

(1) QR bases are IP66.
(2) –30...+45 °C (–22...+113 °F) for QD bases.

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