856T 70mm Control Tower™ Signaling System

Flexible and Easy to Configure

Allen-Bradley

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 to +70℃)

- Easier selection thanks to a reduced number of components

- Minimized installation and set-up 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 stack lights for optimal flexibility

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 70mm 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.

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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

Transducer
80 different tones
Three inputs to externally select up to 7 different tones

Top-
mount
(105 dB)

Piezoelectric
Single circuit
Up to eight tones
DIP switch selectable

Top-
mount
(105 dB)

In-line
(102dB)

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)

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

Base Mounting Adaptors

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

Surface
mount ½ 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.

Vertical mount

Pre-assembled Bases

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

Quick
release
5 levels
(pre-wired)

Surface mount
M12 micro connector
(8-pin)

Surface mount
M12 micro connector
(5-pin)

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.

3 Select a cap, top sounder or beacon

2 Select from a wide variety of light modules or in-line sounders. You can create a system with up to seven circuits

1 Select a base mounting adaptor and power module

—OR—

Select a pre-assembled base and power module

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° to +70° C (-22° to +158° F) [2]	-30° to +85° C (-22° to +185° F)	90% noncondensing

(1) QR, QD, 24V, and AC3 bases are IP66.
(2) -30…+45 ℃ (-22…+113 ℉) for QD bases.

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