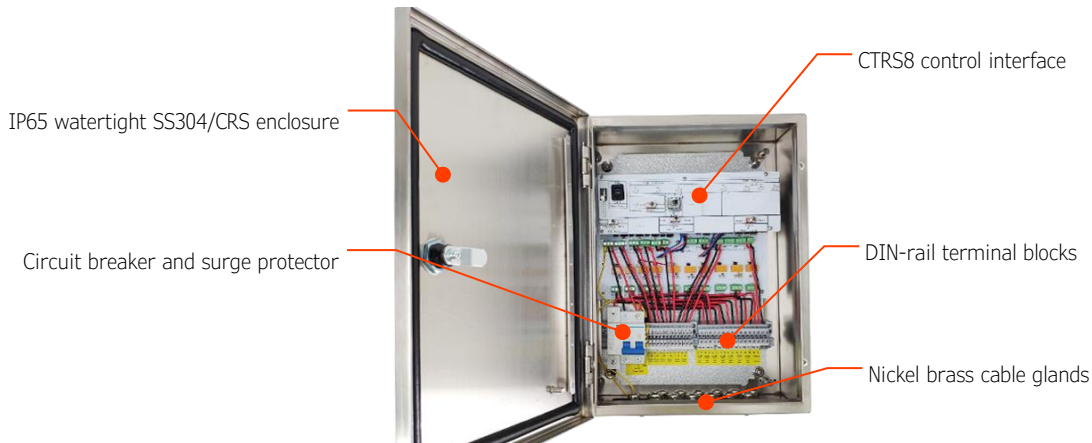


CTRS8CBSP Control Box for Obstruction Lights

•Up to 8 light-outputs •Up to 10 dry relays (NO*NC)



OVERVIEW

The CTRS8CBSP control box is used for controlling and monitoring RedDot LED low intensity and medium intensity aviation obstruction lights. The user-friendly interface is intuitive for users to monitor operation status and easily configure functions.

There are up to eight light-outputs (max. 1A load/output). Practically, for example, under 48VDC, each output connects one OM2K or F864 medium intensity light, or up to eight OL32/OL100 low intensity lights.

CTRS8CBSP contains up to 10 alarm relays. Eight are for eight light outputs and two are for power and photocell. Both NO and NC are available for each dry contact.

A PHC01 photocell is used for automatically switching on and off the obstruction lighting system from dusk to dawn. Bypass switch on interface panel allows users to bypass the photocell for permanently lightening or testing.

DIN-rail terminal blocks save wiring time and enhance wiring safety. A 2P circuit breaker is effective in protecting the control box from overload. A surge protector enhances protection against voltage fluctuation and lightning strikes.

FEATURES

- On/Off main power switch
- LED indicators for lights, power and photocell
- "Service+Service"/"Service+Standby" adjustable when double lights used
- Up to eight light outputs, 1-8 selectable upon actual application
- Each light output load maximum 1A
- Steady/Flashing adjustable
- External photocell with prewired shielded cable, easy to maintain
- Bypass switch to photocell for testing or 24/7 operation
- Up to 10 dry contact relays (NO&NC) for eight light outputs, power and photocell
- DIN-rail terminal blocks save wiring time and enhance wiring safety
- Circuit breaker against overload and shortcircuit
- Surge protector against voltage fluctuation and lightning strikes

APPLICABLE OBL MODELS

- OL32S, OL32D, OL100S, OL100D, OL200, OM2K, OM2C-D, F864



SPECIFICATIONS

| Item | | CTRS8CBSP Specifications |
|----------------------|-------------------------|--|
| POWER SUPPLY | Input voltage | 85-265VAC,50-60Hz / 48VDC / 24VDC/ 12VDC |
| | Output voltage | Equal to Input voltage |
| | Power Consumption | 8W |
| OPERATION | Numbers of Light Output | Up to 8 |
| | Max.Load/Output | 1A |
| | Flash Rate | Steady/Flashing(20FPM), adjustable |
| | Photocell sensitivity | 200Lux |
| | Photocell bypass | Auto/Manual adjustable |
| | Alarm type | Form C, NO & NC, dry contact relay |
| | Numbers of Alarm Output | Up to 10 *dry relays for lights, power and photocell |
| MECHANICAL STRUCTURE | Enclosure Type | Outdoor |
| | Enclosure Material | SS304 / Cold-rolled steel |
| | Protection | IP65 |
| | Weight | 6KG |
| | Dimension (H*W*Depth) | 422mm*300mm*150mm |
| | Operaton Temperature | -40°C~+60°C |
| | Operation Humidity | 0-95% RH non-condensing |
| | Mounting | Wall mounting or U-bolt mounting |

ORDERING CODE

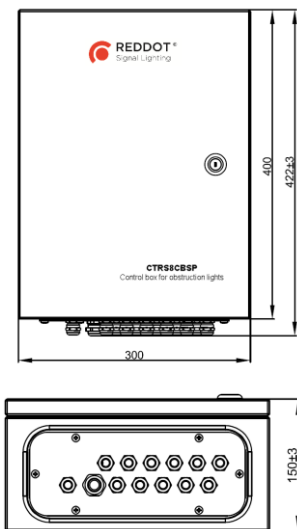
| Series | Voltage | Numbers of lights on top | Enclosure Material |
|-----------|------------------|--------------------------|-------------------------|
| CTRS8CBSP | A220 (85-265VAC) | T1 (Note1) | SS (SS304) |
| | A120 (85-265VAC) | T2 (Note2) | CRS (Cold-rolled steel) |
| | D48 (48VDC) | | |
| | D24 (24VDC) | | |
| | D12 (12VDC) | | |

Notes: 1) T1: one light is on top of a structure or the light functions differently from other lights, adjustable Service+Service/Service+Standby NOT applicable.

2) T2: two lights on top of structure or two lights functions coordinately but differently from other lights, adjustable Service+Service/Service+Standby applicable.

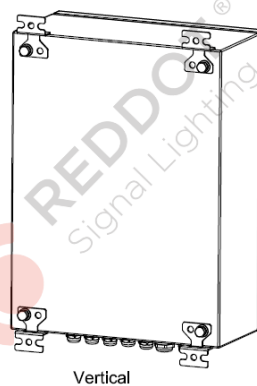
E.g.: CTRS8CBSPD48T2SS = CTRS8CBSP outdoor control box, 48VDC, Service+Service/Service+Standby applicable, SS304 enclosure

DIMENSIONS

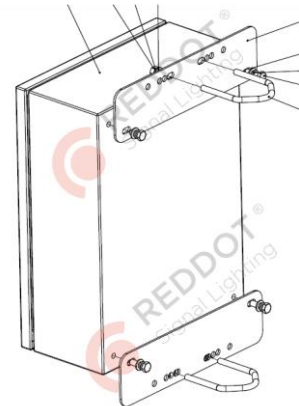


MOUNTING

Wall Mounting



U-bolt Mounting



APPLICATION EXAMPLES

- Two medium intensity beacons and four low intensity obstruction lighting AC system (20M2K40L32S-C-D48)

