

CTRS4-6A Control Box for Obstruction Lights

Applicable for: OL32S, OL32D, OL100S, OL100D, OL200, OM2K, OM2C-D, F864



OVERVIEW

Similar to CTRS4 controller, the CTRS4-6A control box is also used for controlling and monitoring RedDot LED low intensity and medium intensity aviation obstruction lights. With a user-friendly interface and easy-to-set switches, customers can configure desired functions and monitor obstruction lighting systems.

There are four 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.

CTRS4-6A contains six alarm relays. Four are for four light outputs and two are for power and photocell. Each dry contact includes both NO and NC points. CTRS4-6A is a suitable control box for users to identify which part of the obstruction lighting system fails for easy troubleshooting.

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.

FEATURES

- On/Off main power switch
- LED indicators for lights, power and photocell
- "Service+Service"/"Service+Standby" adjustable when double lights used
- Four light-outputs, 1-4 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
- Six dry contact relays (Form C, NO&NC) for four light outputs, power and photocell

APPLICABLE OBL MODELS

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



SPECIFICATIONS

Item		CTRS4-6A Specifications	
POWER SUPPLY	Input voltage	85-265VAC,50-60Hz / 48VDC / 24VDC / 12VDC	
	Output voltage	Equal to input voltage	
	Power Consumption	4W	
OPERATION	Numbers of Light Output	4	
	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	6*dry contacts for 4*lights, 1*power, 1*photocell	
MECHANICAL STRUCTURE	Enclosure Type	Outdoor	Indoor
	Enclosure Material	Aluminum alloy	Plastic (Transparent window)
	Protection	IP65	IP20
	Weight	3KG	2KG
	Dimension (H*W*Depth)	179mm*255mm*100mm	160mm*255mm*100mm
	Operaton Temperature	-40°C~+60°C	
	Operation Humidity	0-95% RH non-condensing	
	Mounting	Wall mounting or U-bolt mounting	

ORDERING CODE

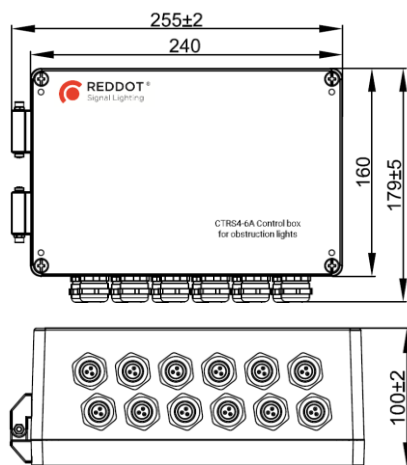
Series	Voltage	Numbers of lights on top	Indoor/Outdoor
CTRS4-6A	A220 (85-265VAC)	T1 (Note1)	ID (Indoor)
	A120 (85-265VAC)	T2 (Note2)	OD (Outdoor)
	D48 (48VDC)		
	D24 (24VDC)		
	D12 (12VDC)		

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.

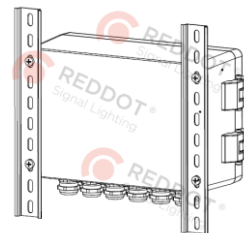
E.g.: CTRS4-6A-D48T2OD = CTRS4-6A outdoor control box, input voltage 48VDC, Service+Service/Service+Standby applicable

DIMENSIONS



MOUNTING

Wall Mounting



U-bolt Mounting

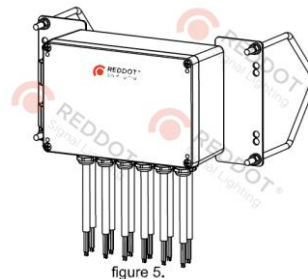


figure 5.



APPLICATION EXAMPLES

Two medium intensity beacons and two low intensity single obstruction lighting 48VDC system (20M2K20L32S-C-D48)

