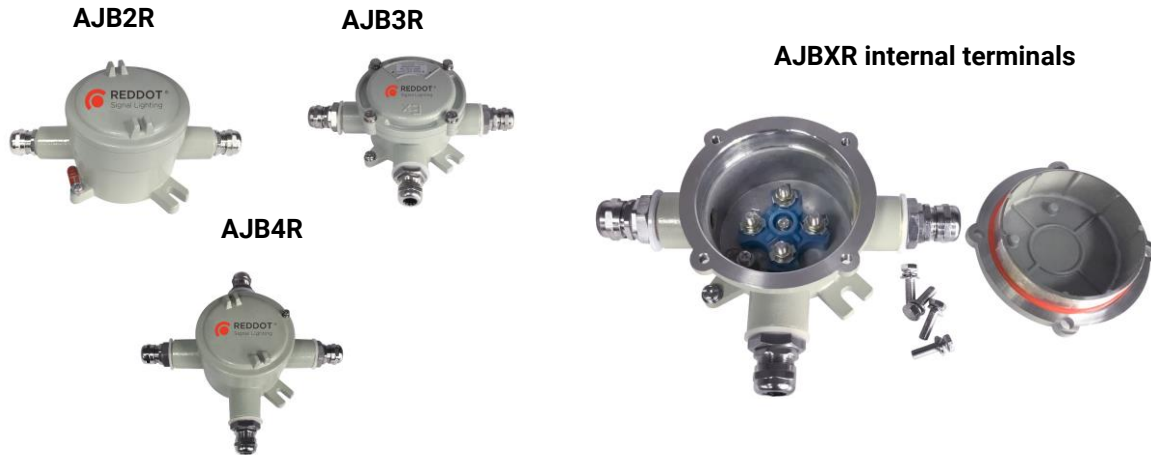


AJBXR Series Junction Box for Obstruction Lights

For connecting 1-3 obstruction lights' power and/or alarm wires



OVERVIEW

AJBXR series junction box is suitable for integrating less than two obstruction lights' power wires and/or alarm wires.

AJBXR junction box is composed of an aluminum compartment with terminal blocks, 2-4 units of threaded hubs (common G3/4" or G1/2" or G1") and watertight cable glands. AJBXR's aluminum compartment contains a screw-type terminal block with four non-fused poles and one grounding pole.

With 2/3/4 threaded hubs, there are three sub-models for connecting obstruction lights' wires.

AJB2R

- Integrating one obstruction lights' power and/or alarm wires

AJB3R

- Integrating two obstruction lights' power and/or alarm wires
- Integrating a PHC01 photocell's power and loads

AJB4R




- Integrating three obstruction lights' power and/or alarm wires (for conduit installation structure)
- Integrating a PHC01 photocell's power and loads (for conduit installation)

FEATURES

- Ideal solutions for connecting 1-2 obstruction lights
- Aluminum alloy enclosure epoxy coated provides good weather and corrosion resistance
- Universal G3/4" / G1/2" / G1" conduits
- Nickel-plated brass cable glands with G3/4" / G1/2" / G1" joint and silicon gasket provide robust waterproof protection
- With built-in screw-type terminal block for easy wiring
- With internal and external earthing studs for grounding connection



SPECIFICATIONS

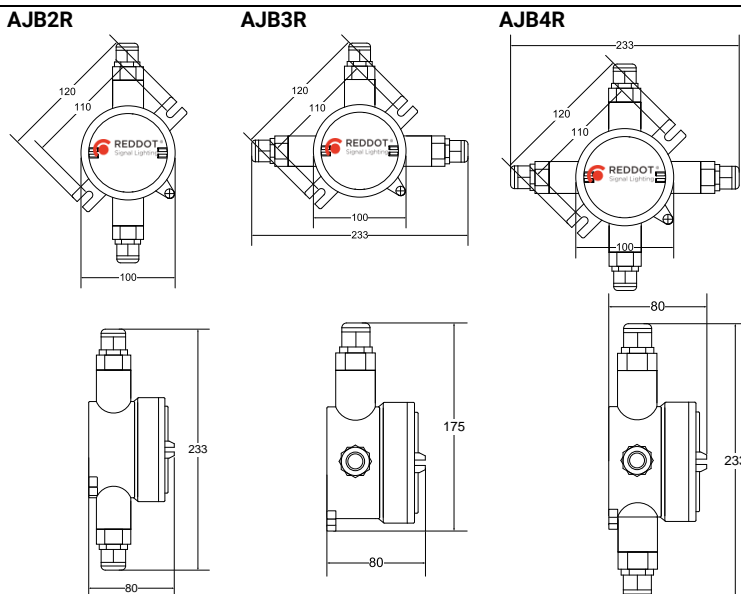
Item		AJB2R	AJB3R	AJB4R
				
OPERATION	Number of Terminals	4		
	Number of earth studs	2 (1 internal, 1 external)		
	Number of ways	2	3	4
	Number of OB Outputs	1 Power output / 1 Alarm output / 1 Power output & 1 Alarm output	2 Power outputs / 2 Alarm outputs / 2 Power outputs & 2 Alarm outputs	3 Power outputs / 3 Alarm outputs / 3 Power outputs & 3 Alarm outputs
	Number of OB Inputs	1 Power input / 1 Alarm input / 1 Power input & 1 Alarm input	1-2 Power inputs / 1-2 Alarm inputs / 1 Power input & 1 Alarm input	1-3 Power Inputs / 1-3 Alarm Outputs / 1 Power input & 1 Alarm input
MECHANICAL STRUCTURE	Enclosure Type	Die-casting aluminum		
	Number of Cable Glands	2	3	4
	Size of Cable Glands	M20/M25, Nickel plated brass		
	Protection	IP65		
	Net Weight	0.5KG		
	Dimension (H*W*Depth)	233mm*120mm*80mm / 175mm*175mm*80mm	175mm*233mm*80mm	233mm*233mm*80mm
	Mounting	Wall mounting / Cable-tie mounting / conduit mounting		
APPLICATION	Applicable for	<ul style="list-style-type: none"> •1 OBL's power wires connecting in parallel to one power input •1 OBL's alarm wires connecting in parallel to one alarm input •1 OBL's power and alarm wires connecting in parallel to one power input and one alarm input 	<ul style="list-style-type: none"> •2 OBL's power wires connecting in parallel to 1-2 power inputs •2 OBL's alarm wires connecting in parallel to 1-2 alarm inputs •2 OBL's power and alarm wires connecting in parallel to one power input and one alarm input •1 PHC01 photocell's power and load 	FOR CONDUIT STRUCTURE ONLY! <ul style="list-style-type: none"> •3 OBL's power wires connecting in parallel to 1-2 power inputs •3 OBL's alarm wires connecting in parallel to 1-2 alarm inputs •3 OBL's power and alarm wires connecting in parallel to one power input and one alarm input •1 PHC01 photocell's power and load

ORDERING CODE

Model	Size of hub thread	Number of Cable Glands
AJB2R	1/2 (G1/2")	0
AJB3R	3/4 (G3/4")	1
AJB4R	1 (G1")	2
		3
		4

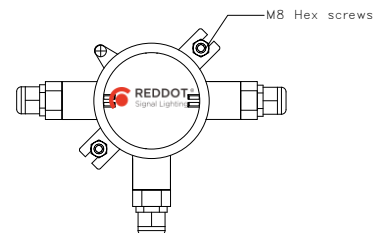
E.g.: AJB3R-3/4-3 = AJB3R junction box, with 3 G3/4" threaded hubs, with 3 cable glands.

DIMENSIONS

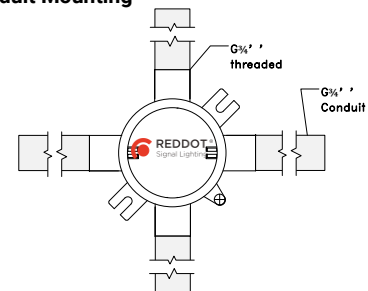


MOUNTING

• Wall Mounting

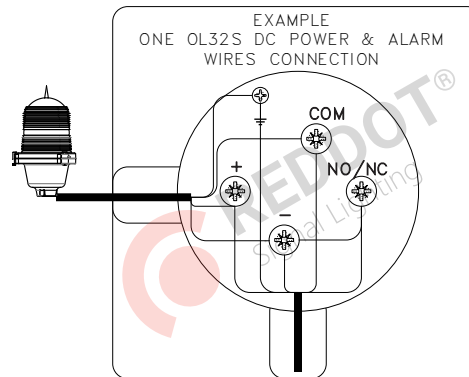


• Conduit Mounting

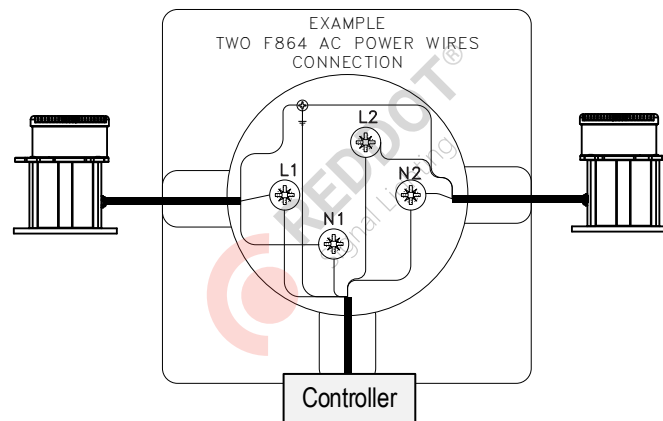


■ APPLICATION EXAMPLES

- AJB2R connecting one OL32S power & alarm



- AJB3R connecting two F864 medium intensity beacons into two inputs



- AJB3R connecting a PHC01 photocell

