ISONAS
PURE IP ACCESS CONTROL

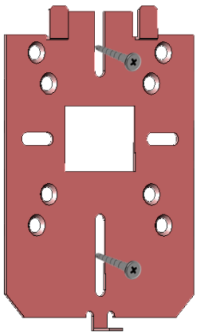
PURE IP™ WIEGAND READER
QUICK INSTALLATION INSTRUCTIONS
MODELS: R-1-MCT-W, R-1-MCT-WK

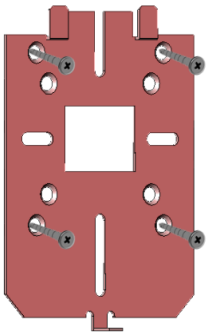
Questions? Scan our QR code or visit
www.isonas.com/support/installFAQ

1 Install Metal Wall Plate to Single Gang Box

Connect the wall plate to the single gang box using the provided #6 screws. Alternatively you can use the provided #4 screws in the four outer holes for other installation requirements. Drywall installations will require molly bolts.

Standard Single Gang Box Installation →





← Alternative for situations outside of a single gang box installation.

2 Wire the Cable to the Control Panel

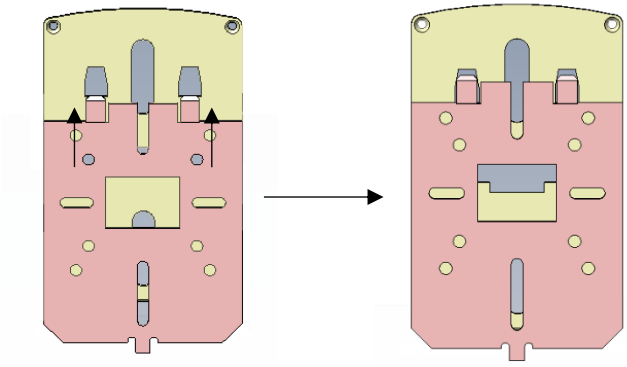
Max Length to Panel	
Length	AWG
200’ (60 m)	22
300’	20
500’	18
Current @ 12 V and 25 C	
Avg. mA	Max. mA
110	160
Current for ET25 @ 12 V and 25 C	
Avg. mA	Max. mA
140	190

Common Cable Connections	
Red	Power In
Black	Ground
Shield	Shield Ground
Brown*	Tamper Out
Green	Wiegand Data 0 / RS 485A
White	Wiegand Data 1 / RS 485B
Yellow*	Beeper Control
Blue*	Green LED Control
Orange*	Red LED Control

*these wires are only used in Wiegand readers.

3 Attach the Reader to the Wall plate

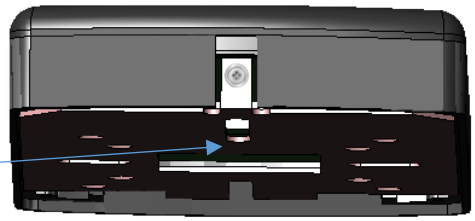
Align the reader so that the tabs of the base plate slide into the slots on the wall plate and slide the reader into position.



4 Install the Reader Screw

Install the #4-40 screw or pin-in-torx at the bottom of the reader.

Screw or pin-in-torx →



5 Test the Reader

Power the reader, the red light-bar will light, followed by a beep. Present a valid credential to the reader and the light-bar will turn green.

Tools Required:	**Items Included:**
1”(25mm), 1/8” drill bits	Reader, Backplate & Wall Plate
Phillips Screwdriver	(2) #6 Screws
T8 Security Torx Bit	(1) #4-40, (1) pin-in-to
	(4) #4 Screws

***Patent Pending**

ISONAS™
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KEYPAD CONFIGURATION

R-1-MCT-WK Wall Mount Keypad reader (13.56 MHz, 125kHz, BLE, backlit)

If you are using your **R-1-MCT-WK** Pure IP™ reader with an **ISONAS IP Bridge™** please execute the following steps to establish *26 bit Wiegand* communication:

1. Power cycle the R-1 reader.

2. Within 1 minute from powering on the unit, enter:

* 8 8 8 8 9 9 9 9

The LED will turn green and the keypad will beep three times.

3. Within 5 seconds, enter the # followed by any three-digit facility code:

___ ___ ___

Note: Most sites will not have a site code already established. If there is no site code already established, we recommend 0 0 1. Any three-digit code will work.

Example: # 0 0 1

The LED will turn green and the keypad will beep three times.

4. If you are using ISONAS Pure Access Cloud or Pure Access Manager, you must specify the configuration for "External Keypad Site Code" located on *Settings -> Credential* page. Pure Access only allows one site code per installation.

In this mode, the reader sends the PIN (packaged as a 26-bit Wiegand output with the fixed facility code). We recommend PIN numbers to be a four-digit number between 1 and 32767.

The PIN should always be entered starting with * and end with #.

Example: * 1 2 3 4 #