

INSTALLATION INSTRUCTIONS

P/N 60-2771

JUNCTION BOX with TERMINALS

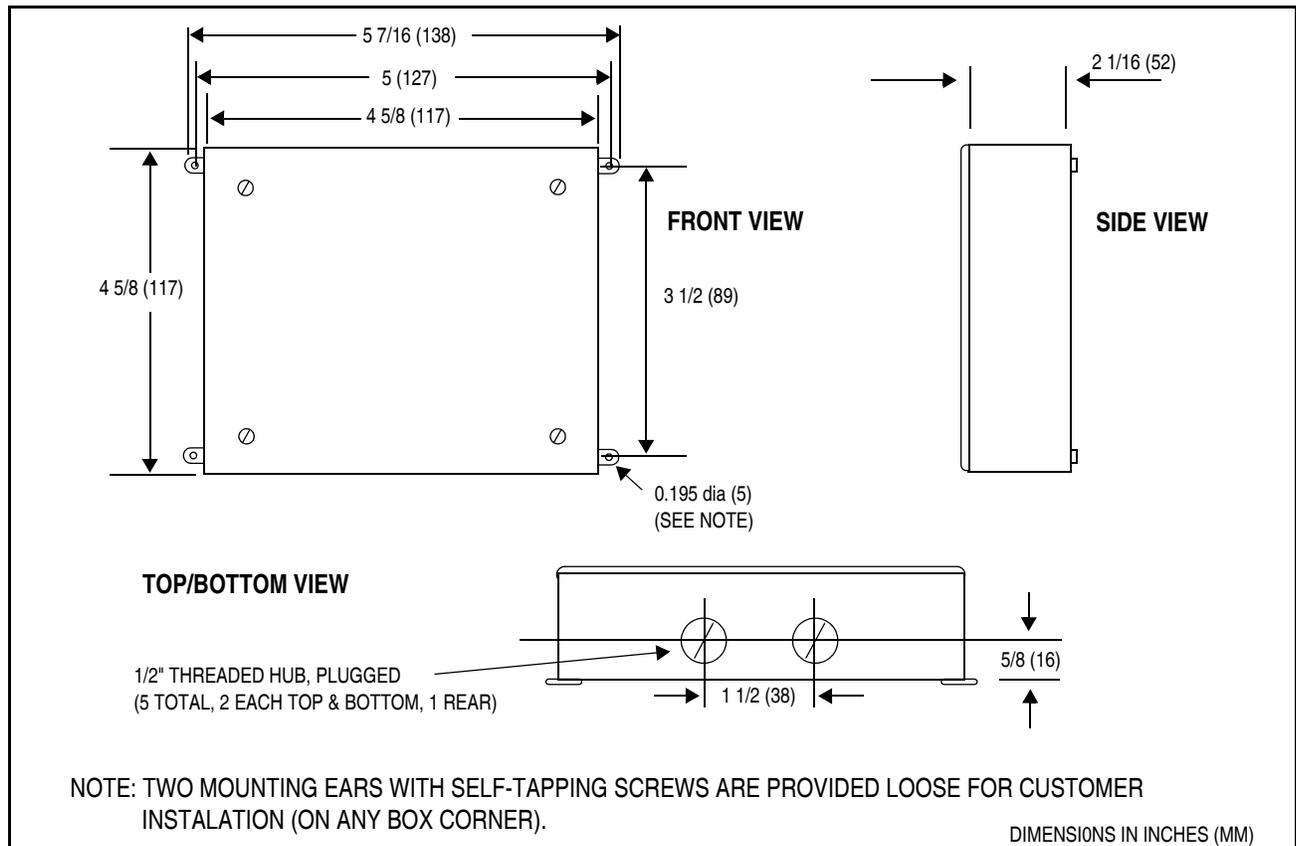
USING THE 60-2771 JUNCTION BOX

The 60-2771 Junction Box with 12-circuit terminal block may be used to make field connections to the cable-gland InSight I scanners, e.g. model 95DSS2-1CG. It may also be used with the 85-Series Phoenix scanner.

Wiring Tables on page 2 also list the suggested connections for the 65UV5 Simplicity scanner as well as 45UV5, 45RM, 45FS1, and 45UVFS1 scanners. Refer to the appropriate scanner bulletin for complete wiring details.

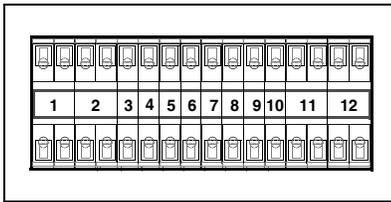
The terminal strip uses push-type cage clamp connectors. Use a small screwdriver or similar device to depress the slot beside the connector to open the connector and then insert the wire. Remove the screwdriver to secure the wire. The connector will accept 28 to 12 gauge wire. 18 gauge or larger should be used for power and relay contacts.

MOUNTING DIMENSIONS





TERMINAL LAYOUT



InSight, Phoenix, and Simplicity scanners only: Terminals 1 and 2 are two-pole terminals allowing the connection of the 24vdc power from one junction box to the next.

InSight and Signature scanners only: Terminals 11 and 12 are two-pole terminals allowing the connection of RS485 communication circuits from one junction box to the next.

WIRING TABLES

60-2771 Junction Box Terminal	Function	95 Series InSight I Scanners (using 59-497 cable)	85-Series Phoenix Scanners		65UV5 Simplicity Scanner		45 Series Scanners Using 59-470, 59-471 Cable	
			85-Series Phoenix (using 59-497 cable)	85-Series Phoenix QD (using 59-546 cable)	Model 1000	Model 1004 (using 59-536 cable)	Function	Color Code
1 1	24 vdc power input (+)	Black/Red	Black/Red	Black	Red	Brown	Power	Black
2 2	24 vdc power input (-)	White/Blue	White/Blue	Blue	Red	White	Self-Check	Red
3	Flame Relay (N.O.)	White/Black	White/Black	Orange	Black	Red	Flame Signal	Green
4	Flame Relay (N.O.)	White/Red	White/Red	Yellow	Black	Yellow		
5	Fault Relay (N.C.)	Red	Red	Brown		Blue ¹	File Select 1	Blue
6	Fault Relay (N.C.)	Pink	Pink	Tan		Black ¹		
7	4-20 ma output (+)	Violet	Violet	Violet		Orange	File Select 2	Yellow
8	4-20 ma output (-)	Grey/Red	Grey/Red	Red		Green	Common	White
9	File Select 1	Blue/Red						
10	File Select 2	Yellow						
11 11	Comm A	Brown					Comm A	Brown
12 12	Comm B	Orange					Comm B	Orange

Note 1. In the model 65UV5 scanners, the Fault Relay contacts are normally-open (N.O.).



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