REMOTE MOUNTING AN ACS-CP OR DCS800-PAN KEYPAD

Description:

How to remote mount an ACS-CP-x or DCS800-PAN keypad greater than 3 meters (10 feet) from the drive.

Answer:

Parts List:

Part #	Description	Quantity
1SNA 684 231 R 2500 or 1SNA 684 233 R 2700	RS232/RS485 Converter Isolated RS232/RS485 Converter	2
1SVR 427 041 R 0000	24V 0.42A CP-D Power Supply	1
OCAT-01	7 foot CAT 5 patch cable	1
Belden 9842 or similar	Dual twisted, shielded pair cable	
ACS/H-CP-EXT	Control Panel Mounting Kit. Includes a 10 ft. CAT 5 patch cable, gasket for NEMA 12, mounting hardware and drilling template.	*
OPMP-01	Control Panel Mounting Platform allows remote mounting of the keypad on a larger enclosure or remote panel. The kit maintains UL Type 12 integrity of the mounting location. Adapters, 10 ft cable and mounting hardware are included in this kit. With this mounting arrangement, the keypad is removable from the panel in a fashion identical to a drive-mounted keypad	*
ACS/H-CP-EXT-IP66	Allow remote mounting of the DCS800-PAN Operator Panels on a larger NEMA 4X (IP66) enclosure or remote panel. The kit maintains NEMA 4X integrity of the mounting location. All necessary hardware and a mounting template are provided in addition to a 3m panel cable. When mounted, the operator panel is not removeable from the front of the enclosure. The operator panel must be purchased seperately.	*

* Optional

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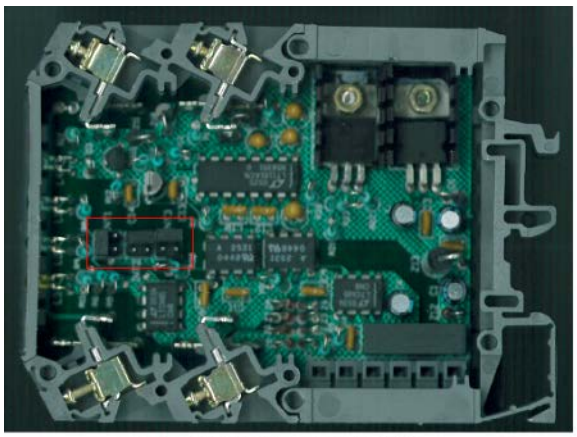
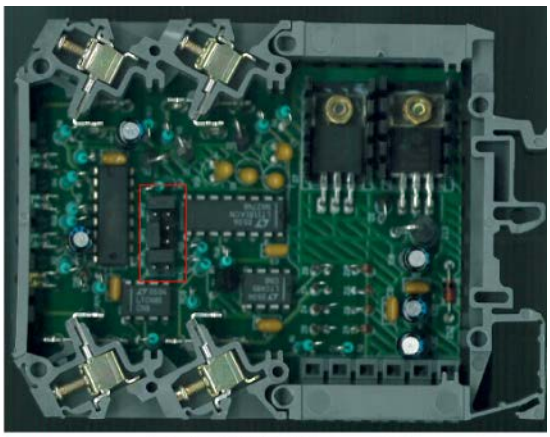
External http://www.abb.us/drives.	Industry – Industrial, HVAC or PLC	Document #: LVD-EOTN37U-EN Revision: B
Product Categories: ACS310, ACS355, ACS550, ACH550, ACS850, DCS800		

RS232/RS485 Adapter
RJ45
X2
X2 Keypad Connector
RXD (K terminal)
Orange / White
1
RS232 TXD
Orange
2
GND
TXD (M terminal)
Green / White
3
RS232 RXD
Blue
4
Blue / White
5
0V
Green
6
GND
V-
Brown / White
7
GND
V+
Brown
8
+24V
Standard CAT5 RJ45 patch cable connection
0 V
TxD
RxD
CTRL IN
TxD
RxD
PWR
V+
V-
Connector J1
24 V DC
power supply
0 V
RxD/TxD+
RxD/TxD-
RxD
TxD
Keypad
RS232/RS485 Adapter
RS232 TXD
RXD (K terminal)
RS232 RXD
TXD (M terminal)
GND
+24V
V-
V+
Standard CAT5 RJ45 patch cable connection

Jumper setting:



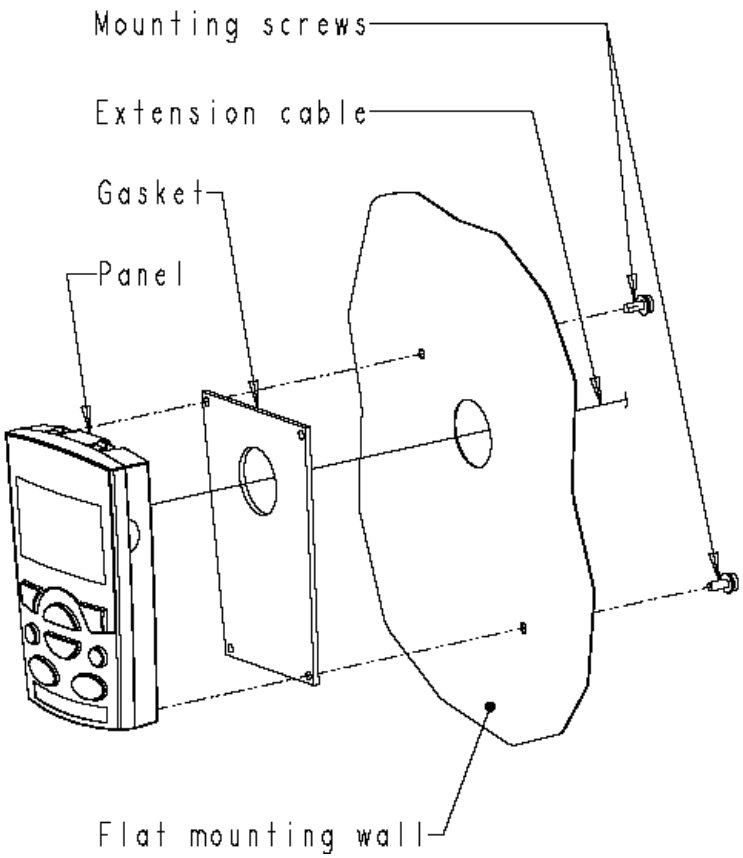
1SNA684231R2700 Jumper Settings



1SNA684231R2500 Jumper Settings

Keypad Mounting Kits

ACS/H-CP-EXT:



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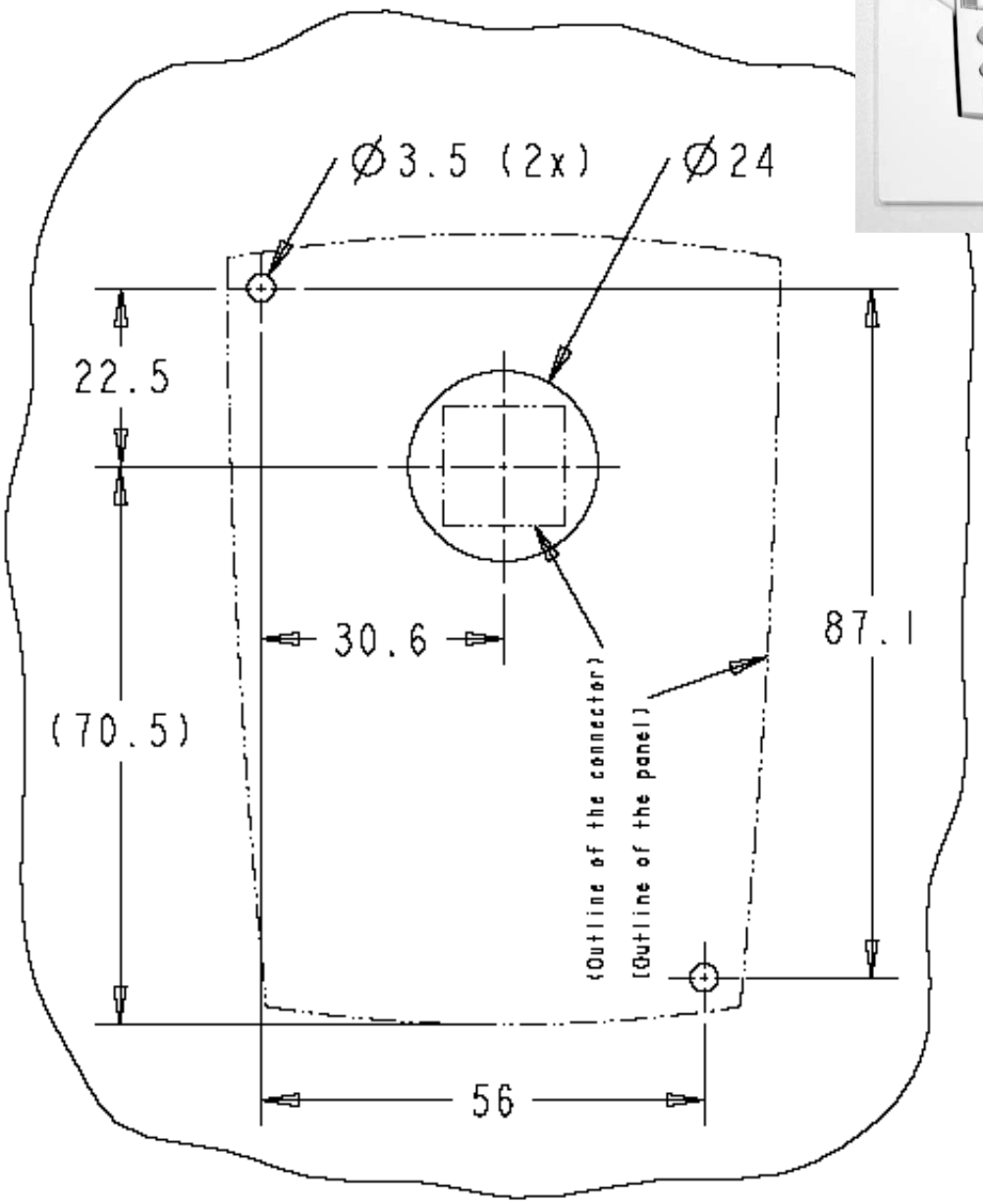
OPMP-01:
Cabinet Panel Mounting Kit, OPMP-01. The Control Panel Mounting Platform allows remote mounting of an ACH-CP-x operator Panel or an ACS-CP-x operator Panel on a larger enclosure or remotely. The kit maintains UL Type 12 integrity of the mounting location. Adapters, 3 m (10 ft) cable and mounting hardware are included in this kit. With this mounting arrangement, the operator panel is removable identical to a drive-mounted keypad.



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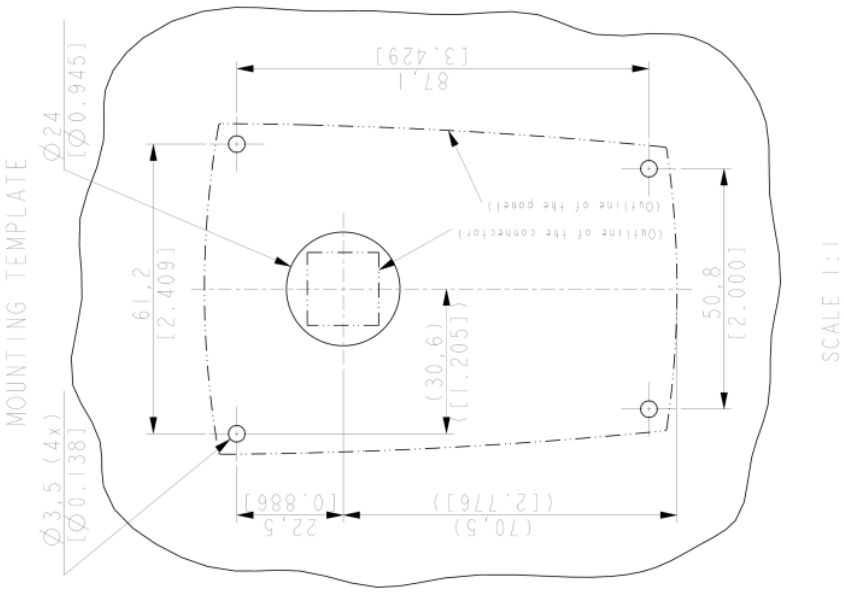
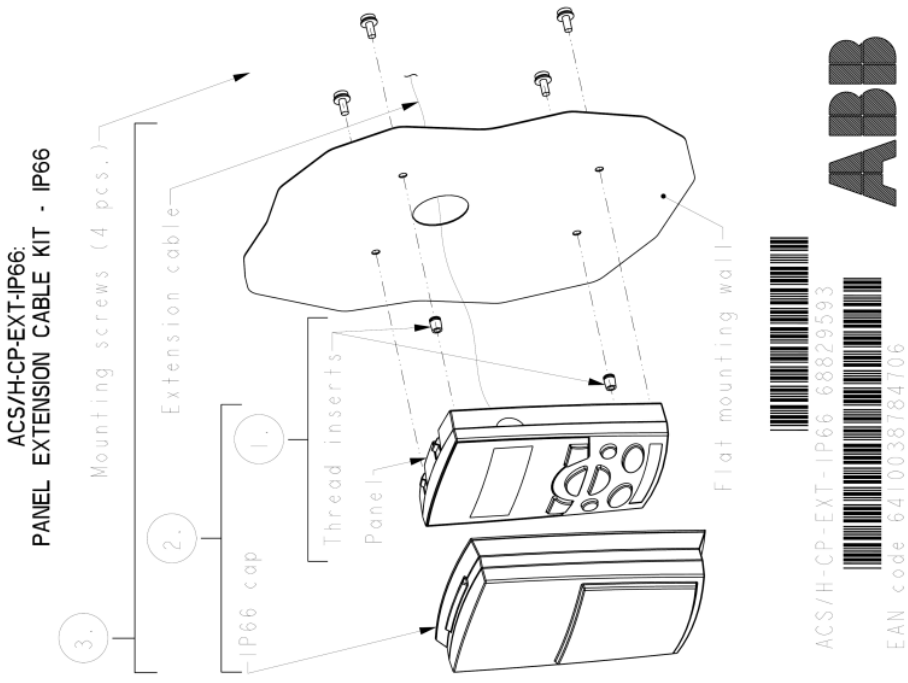
ACS/H-CP-EXT-IP66:
Allow remote mounting of the DCS800-PAN Operator Panels on a larger NEMA 4X (IP66) enclosure or remote panel. The kit maintains NEMA 4X integrity of the mounting location. All necessary hardware and a mounting template are provided in addition to a 3m panel cable. When mounted, the operator panel is not removeable from the front of the enclosure. The operator panel must be purchased seperately.





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Documents or other reference material:

3AUA0000013204 - OPMP-01 Kit Installation Instruction, US

3AUA0000013203 - OPMP-01 (Instructional) Drawing, US

EGM200708161442 - ACS/H-CP EXT Installation

EGM200708161425 - ACS/H-CP Extension Kit Dimensions

Corrective Actions:

None