

MCP-400 Master Control Panel

Friday, August 06, 2010



Please see Section 3 of the MC-400 Operations Guide for operating instructions.
Connection information is on the reverse side.

MCP-400 Master Control Panel Connections

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When an expansion panel is used, this connection loops between the panels using a CAT-5 cable. When no expansion panel is used terminate this connection with the supplied U-Net terminator.

4)RS-422 or 232 Serial Ports & Pin#s
RS-232: 1=CD, 2=RX, 3=TX, 4=DTR, 5=GND, 6=DSR, 7=RTS, 8=CTS, 9=Not used
RS-422: 1=Not used, 2=RX-, 3=TX+, 4=Not used, 5=GND, 6=Not used, 7=RX+, 8=TX-, 9=Not used
 Note: To select RS-422 or RS-232 open the panel and locate the jumpers in the lower right hand corner of the panel as you view it from the top with the rear of the panel closest to you.

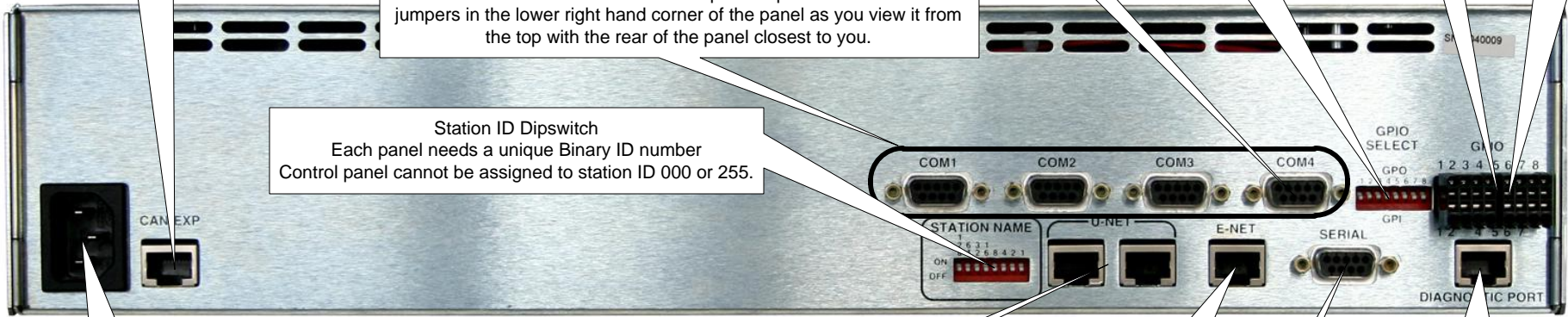
Note: Com 4 may be used as a time code input. If desired set port to RS-422 and use this pin out. 1=TC+, 2-4=Not used, 5=GND, 6-8=Not used, 9=TC-

GPI Connections
 Top Row = +12v,
 Bottom Row = GND

GPIO Selection Switch
 This switch sets the mode for the GPI/GPO connector to the right. Switch 1 corresponds with GPIO 1 etc. Up for GPO; down for GPI

GPO Connections
 Relay closure between the upper pin and power pin when relay is closed.

Station ID Dipswitch
 Each panel needs a unique Binary ID number
 Control panel cannot be assigned to station ID 000 or 255.



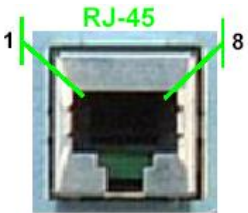
Power Connector



U-Net connectors connect to a U-Net port on the SC-4/400 or to a loop-through from another panel via a typical CAT-5 cable. U-Net must be terminated at the end of the loop-through with the supplied U-Net terminators. Maximum cable length of 1000 feet per run.

Typical CAT5 Ethernet connection

Configuration port used for panel setup. Use RJ-45 to 9 pin adapter labeled MC-2020. Baud rate 19.2K baud, 8, None, 1



Serial Port for control via RCP-1 protocol.
 Pin Outs: **RS-232**= 1-RI, 2-TXD, 3-RXD, 4-DSR, 5-GND, 6-DTR, 7-CTS, 8-RTS, 9-CD
RS-422= 2-TX-, 3-RX+, 5-GND, 7-TX+, 8-RX-

