

## microBlox™ DIN Rail Mounting Kit Assembly

### For uBDN4, uBDN8, and uBDN16 DIN-Rail Mounting Kits

MODEL	DESCRIPTION
uBDN4	Surface Mount to DIN Rail Conversion Kit for uB04
uBDN8	Surface Mount to DIN Rail Conversion Kit for uB08
uBDN16	Surface Mount to DIN Rail Conversion Kit for uB16



These instructions show how to assemble the DIN Rail Mounting Kits to 4, 8, and 16 channel microBlox back-panels. These kits allow uB04, uB08, or uB16 surface mount carriers to be converted to uB04D, uB08D, or uB16D DIN Rail carriers in the field.

#### Parts List:

1	1027-214 (uBDN4 Only)	UM-PRO 72/8.57/GY7035 4.005" Plastic Channel
1	1027-215 (uBDN8 Only)	UM-PRO 72/8.57/GY7035 6.213" Plastic Channel
1	1027-216 (uBDN16 Only)	UM-PRO 72/8.57/GY7035 11.810" Plastic Channel
1	1027-217	UM-PRO 72 COVER-L BK 2200151 Left End Cap
1	1027-218	UM-PRO 72 COVER-R BK 2200152 Right End Cap
1	1027-219 (uBDN8 Only)	UM PRO 72 FOOT BK 2200153 DIN FOOT
2	1027-219 (uBDN16 Only)	UM PRO 72 FOOT BK 2200153 DIN FOOT
2	1010-523 (uBDN16 Only)	Nylon 6-32 Screw
2	1010-524 (uBDN16 Only)	Nylon 6-32 Nut

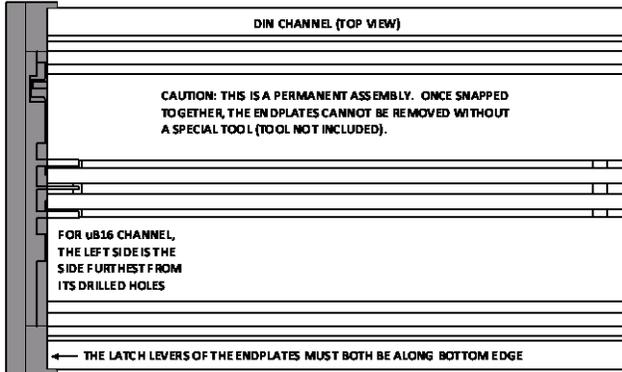
#### Assembly Procedure (Refer to Diagram on Next Page):

**IMPORTANT: Proceed carefully--This is a Permanent Assembly.** Once the back-panel is assembled to the DIN rail carrier, you will not be able to disassemble the parts without a special tool (tool not provided).

- Snap the left end cap 1027-217 to the left edge of the channel (its DIN latch should point downward). Note that the 1027-216 uB16 channel has two drilled holes in the middle offset from center—the left edge of the channel is the edge farthest from these holes which align with the center standoffs of the uB16 panel.  
**CAUTION:** Once you press the end cap onto the channel, you will not be able to separate these parts without a special tool used to simultaneously pry the three plastic latches of the end-plate open to release the end-plate from the plastic channel, **so be very careful in assembling the end plates and make sure the DIN rail latches are oriented to the bottom edge of the panel. Additionally, for uB16 make sure you correctly identify the left edge of the channel (the edge furthest from the drilled holes).**
- Place the back-panel onto the top ledge of the channel with its DB25 connector on the left, and slide it into the left endplate along the top of the channel (the endplate overlaps the left edge of the panel). Additionally, for uB16 verify that the center standoffs align with the drilled holes in the channel.
- Snap the right end cap 1027-218 onto the channel with its DIN latch pointed downward to bottom and press together until the end-plate overlaps the right edge of the back-panel.  
Make sure the two endplates are fully inserted into the ends of the channel and that they each overlap the back-panel on both edges. For the uB16, make sure the center standoffs are aligned to the holes drilled into the channel.
- (uBDN8 & uBDN16 Only) Turn the channel over and take the mounting foot 1027-219 with its Din latch oriented to the bottom in the same direction as the end-plate latches, and line it up such that its top lip is along the top lip of the channel, and its middle lip is along the center lip of the channel. Push the top lip downward while putting pressure on the center of the DIN foot to snap and push it into the channel grooves.  
(uBDN16 Only) Repeat step 4 with the second DIN foot 1027-219. You can slide the DIN foot to position it along the channel after you attach it to the channel. Make sure that the DIN latches of the end-plates and DIN feet are all oriented to the bottom side of the channel.
- (uBDN16 Only) Secure the uB16 panel to the channel using two nylon screws provided (1010-523) inserted them through the back of the channel through the center standoffs and nuts (1010-524) on top of the uB16 panel.

**ASSEMBLY INSTRUCTIONS (uBDN8 & uB08 SHOWN FOR EXAMPLE)**

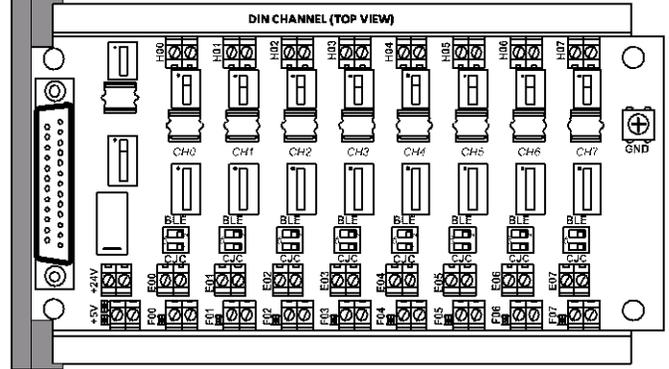
- 1** SNAP LEFT END PLATE ONTO LEFT EDGE OF CHANNEL AND PRESS TOGETHER TO LOCK IN PLACE.



1027-217 LEFT END PLATE

BOTTOM

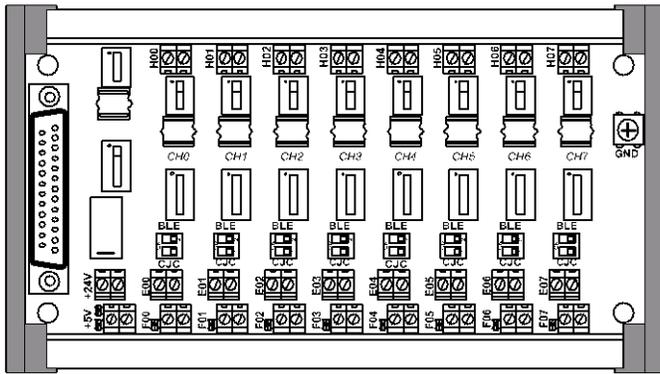
- 2** PLACE BACK-PANEL ON TOP LEDGE OF CHANNEL AND SLIDE IT INTO THE LEFT ENDPLATE (ENDPLATE OVERLAPS BACK-PANEL BOARD).



1027-217 LEFT END PLATE  
KEEP DB25 CONNECTOR  
OF PANEL ON LEFT SIDE

FOR uB16 PANEL, ITS CENTER STANDOFFS MUST ALIGN WITH THE HOLES IN ITS DIN CHANNEL FOR SCREW INSTALLATION IN STEP 5

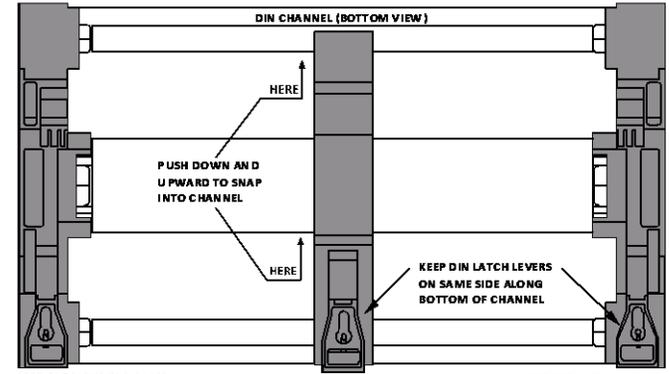
- 3** SNAP RIGHT ENDPLATE ONTO RIGHT EDGE OF CHANNEL OVERLAPPING RIGHT EDGE OF BACK-PANEL BOARD AND PRESS TOGETHER TO LOCK IN PLACE.



1027-217 LEFT END PLATE

1027-218 RIGHT END PLATE

- 4** SNAP DIN FOOT 1027-219 INTO CHANNEL ON BOTTOM SIDE AS SHOWN (uB08 & uB16 ONLY, uB16 USES TWO OF THESE). YOU CAN SLIDE THE FOOT ALONG THE CHANNEL TO EVENLY SPACE IT BETWEEN THE END CAPS.

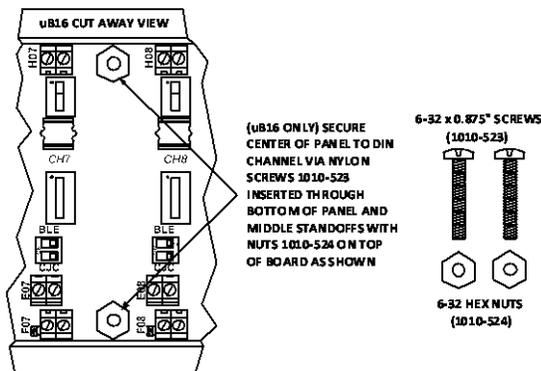


1027-218 RIGHT END PLATE

1027-219 DIN FOOT

1027-217 LEFT END PLATE

- 5** (uB16 ONLY) SECURE PANEL TO CHANNEL USING 1010-523 & 1010-524.



(uB16 ONLY) SECURE CENTER OF PANEL TO DIN CHANNEL VIA NYLON SCREWS 1010-523 INSERTED THROUGH BOTTOM OF PANEL AND MIDDLE STANDOFFS WITH NUTS 1010-524 ON TOP OF BOARD AS SHOWN

6-32 x 0.875" SCREWS (1010-523)



6-32 HEX NUTS (1010-524)

