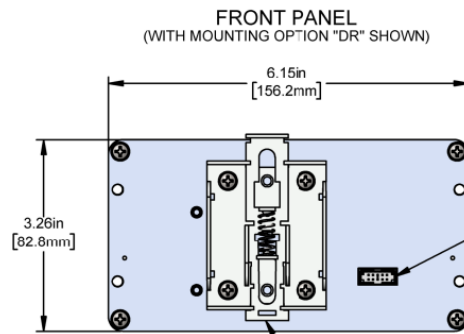
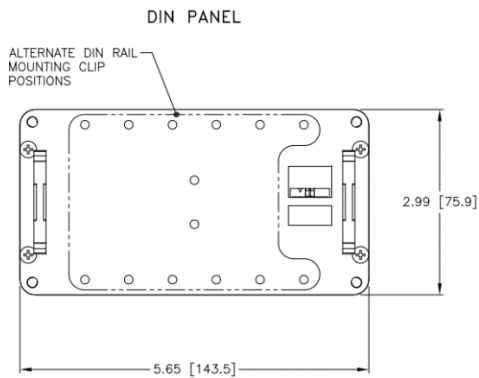
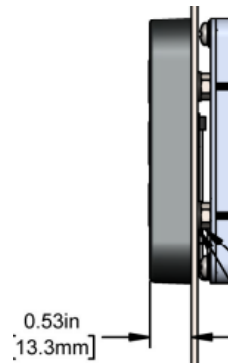
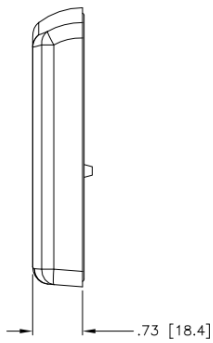
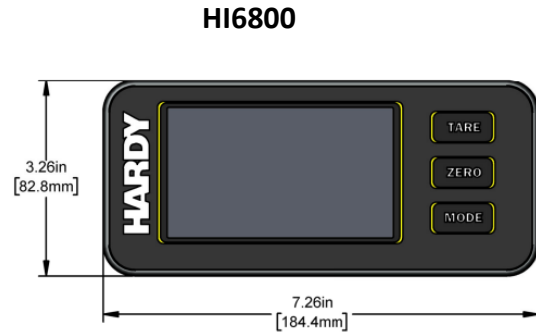
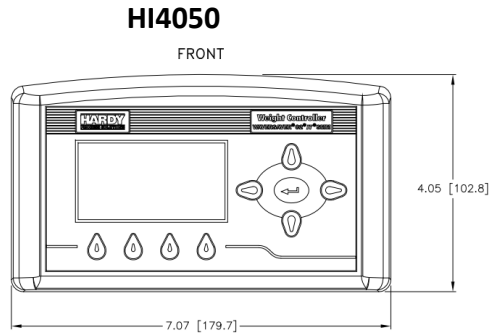


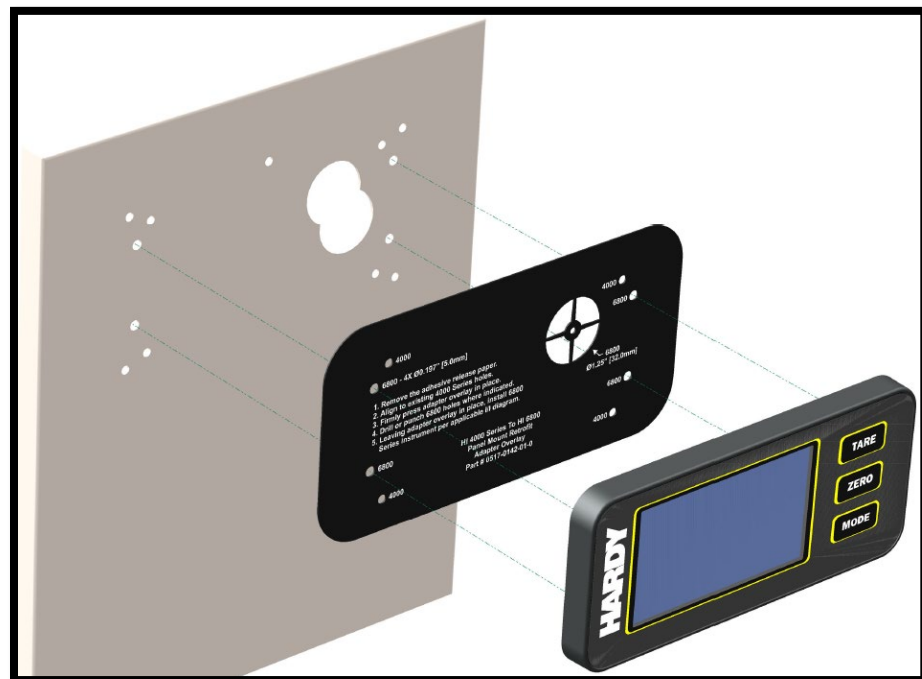
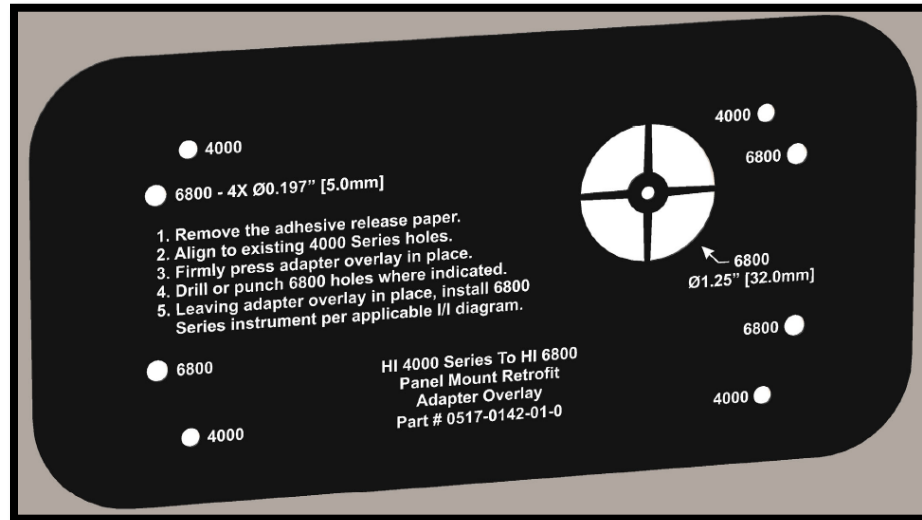
TECHNICAL NOTE

HI4050 TO HI6800 MIGRATION



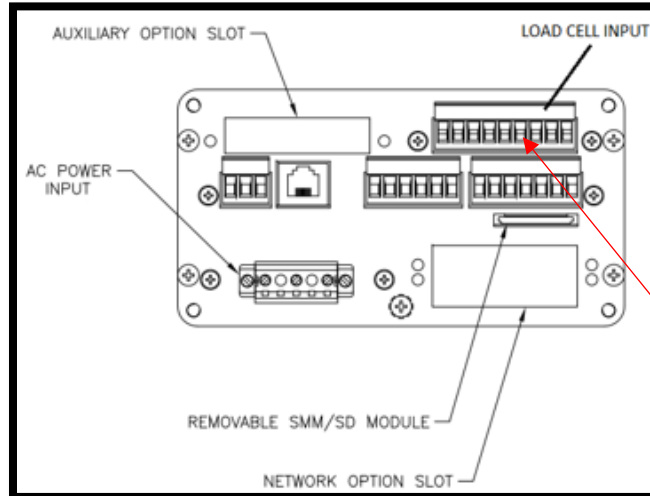
HI6800 MOUNTING TEMPLATE

- The template is used to migrate the HI4050 display to the HI6800's 4.3" Display.
- It also lists the installation instructions and indicates dimensions and locations of holes.



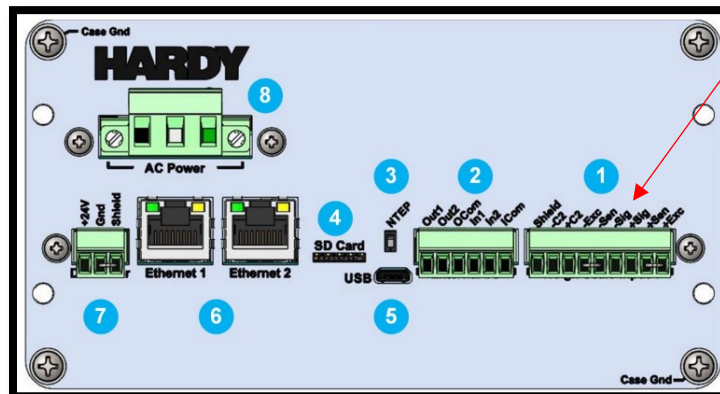
INPUT CONNECTIONS

HI4050



HI6800

- The HI4050 and HI6800 connectors are different, so the end user will need to transfer wiring.
- The connection points are labeled and the colors are the same.



Item	Description
1	Primary scale input terminal block Connect to load cells or scale with or without a junction box
2	Digital I/O terminal block Two inputs (isolated) and two outputs.
3	NTEP switch Two-pin DIP switch for enabling or disabling NTEP.
4	microSD card Accommodates a microSD module (up to 2 GB of memory).
5	Micro USB port Connect to a USB device.
6	Dual 10/100 Mbps Ethernet ports Connect to a network switch or router.
7	24 VDC power Connect to DC power source.
8	Optional AC power Connect to a 100-240 VAC power source.

HI6800 COMMUNICATIONS

- Default IP address: 192.168.0.100
- Ethernet IP & Modbus TCP are standard. No keycode is required.
- The EDS_AOP file is available on the Hardy website.
- The HI6800 has a defined and labeled PLC data table so no mapping is required.
- The weight is in REAL (Floating point) format, so no mapping or conversion coding is required.
- The command and instrument status are listed in the PLC data table by default.
- Refer to the manual for all possible commands and statuses.

HI4050 PLC Data Table

HI6800 PLC Data Table

Weight Reading

HI4050:I	[...]	_0102:Har...
HI4050:I.ConnectionF...	0 Decimal	BOOL
▶ HI4050:I.Data_IN_0	18350 Decimal	INT
▶ HI4050:I.Data_IN_1	16257 Decimal	INT
▶ HI4050:I.Data_IN_2	0 Decimal	INT
COP Source HI4050:I.Data_IN_0 Dest HI4050_Gross_Weight Length 2		
HI4050_Gross_Weight	1.01 Float	REAL

HI6800:I	[...]	_0102:Hardy68...
HI6800:I.ConnectionFaulted	0 Decimal	BOOL
▶ HI6800:I.Command_Echo	0 Decimal	INT
▶ HI6800:I.Command_Status	16#6b80 Hex	INT
▶ HI6800:I.Parameter_Value	0 Decimal	DINT
▶ HI6800:I.Parameter_ID	16#0000 Hex	INT
▶ HI6800:I.Instrument_Status	16#0000 Hex	INT
HI6800:I.Net_Weight	1.01 Float	REAL
HI6800:I.Gross_Weight	1.01 Float	REAL

C2 Calibration Command

HI4050:O	[...]	_0102:Hardy...
▶ HI4050:O.Data_OUT_0	1 Decimal	INT
▶ HI4050:O.Data_OUT_1	0 Decimal	INT
▶ HI4050:O.Data_OUT_2	0 Decimal	INT
▶ HI4050:O.Data_OUT_3	0 Decimal	INT
▶ HI4050:O.Data_OUT_4	0 Decimal	INT
▶ HI4050:O.Data_OUT_5	0 Decimal	INT
▶ HI4050:O.Data_OUT_6	0 Decimal	INT
▶ HI4050:O.Data_OUT_7	0 Decimal	INT
▶ HI4050:O.Data_OUT_8	0 Decimal	INT

Map:
 HO2.4 (C2 Command) = +EII0(Ethernet/IP Integer Input)

HI6800:O	[...]	_0102:Har...
▶ HI6800:O.Command	16#0066 Hex	INT
▶ HI6800:O.Aux_Command_Infor...	0 Decimal	INT
▶ HI6800:O.Parameter_Value	0 Decimal	DINT
▶ HI6800:O.Parameter_ID	16#0000 Hex	INT
▶ HI6800:O.Reserved_1	0 Decimal	INT
▶ HI6800:O.Reserved_2	0 Decimal	INT
▶ HI6800:O.Reserved_3	0 Decimal	INT
▶ HI6800:O.Reserved_4	0 Decimal	INT
▶ HI6800:O.Reserved_5	0 Decimal	INT