

NOTES:

- 1

DO NOT CONNECT (-V) TO ANY GROUND TERMINAL.
(-V) IS DESIGNATED AS DC RETURN SIGNAL.
- 2

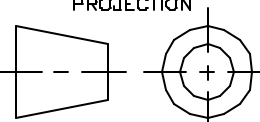
ONLY ONE HOST CAN BE HOOKED TO LEVELMASTERS.
- 3

REDUNDANT GROUND WIRES (12 AWG).
- 4

DESIGNATED GROUND ELECTRODES.
- 5

WARNING – BLACK WIRE IS +V
ON HOST SIDE OF BARRIER
PER UL CERTIFICATION OF
AC WIRING REQUIREMENTS.

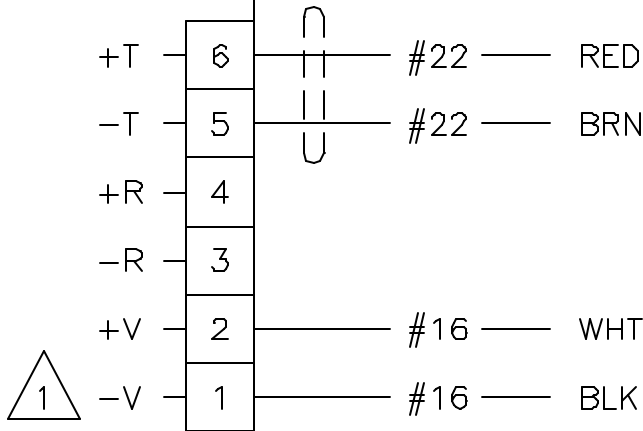
REVISIONS					
REV	ACTION	DRAWN	CHECKED	APPROVED	DATE
AA	L8546	KASTNER	KASTNER	HOLLAND	01/05/21

				001	ITEM NO.	PART NUMBER	DESCRIPTION	REF / ZONE DESIG MATERIAL	UNIT MEAS
ASSEMBLY / QUANTITY									
DO NOT SCALE DRAWING		<div>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: DECIMAL ANGULAR .XX ± ± .XXX ± BREAK ALL SHARP CORNERS AND EDGES DIMENSIONS APPLY BEFORE FINISH</div>		PRODUCT LINE TOTALFLOW®		LEVEL 3		<div>ABB</div> <div>TOTALFLOW Products</div>	
<div>THIRD ANGLE PROJECTION</div> 				DESIGN G. HOLLAND		DATE 01/05			
				DRAWN A. KASTNER		01/05/21			
				CHECKED A. KASTNER		01/05/21			
APPROVED G. HOLLAND		01/05/21		TITLE WIRING INTERCONNECT MODEL 7100 LEVELMASTER TO BARRIER (UL) WI					
				SCALE NONE	SIZE B	DWG TYPE WI	DRAWING NO. 2100447	REV AA	SHEET 1 OF 3

HAZARDOUS AREA
CLASS I, DIV 1, GROUP D
UL

NON-HAZARDOUS AREA

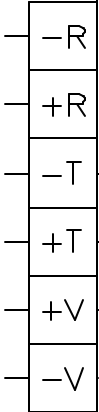
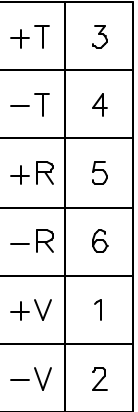
MODEL 7100
LEVELMASTER



#22 — RED
#22 — BRN
#16 — WHT
#16 — BLK

I.S. BARRIER PCBA
2918563-001

J1



BLK 5
WHT

RS485
HOST

#18 — BRN
#18 — RED

14 VDC
MAX

POWER SUPPLY
OR BATTERY

CABLE
2011648-001

HAZARDOUS AREA
CLASS I, DIV1, GROUP D
UL

NON-HAZARDOUS AREA

WIRING INTERCONNECT

LEVEL
MASTER

A1J1
+T
-T
+R
-R
+V
-V

LEVEL
MASTER

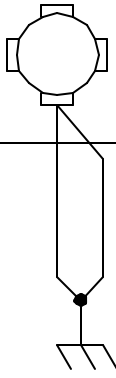
A1J1
+T
-T
+R
-R
+V
-V

BARRIER PCBA

DC RTU	7
+T	3
-T	4
+R	5
-R	6
+V	1
-V	2

RS485

-R ● ORN
+R ● BLU
-T ● BRN
+T ● RED
+V ● BLK
-V ● WHT
EARTH ● GRN
GND



2 64XX COMM 1		2 64XX COMM 2		2 67XX FCU CB181 RS485 MODULE		2 67XX FCU CB181 RS485 CARD		2 6790 RTU SATELLITE PORT	
J4		J4		J4, J5, J6		J4		TB1	
6	BUS(-)	13	BUS(-)	6	BUS(-)	6	BUS(-)	15	BUS (-)
4	BUS(+)	12	BUS(+)	4	BUS(+)	8	BUS(+)	14	BUS (+)
2	VBATT	2	VBATT	1	VBATT	1	VBATT	20	VBATT
1	GND	1	GND	2	GND	2	GND	25	GND