
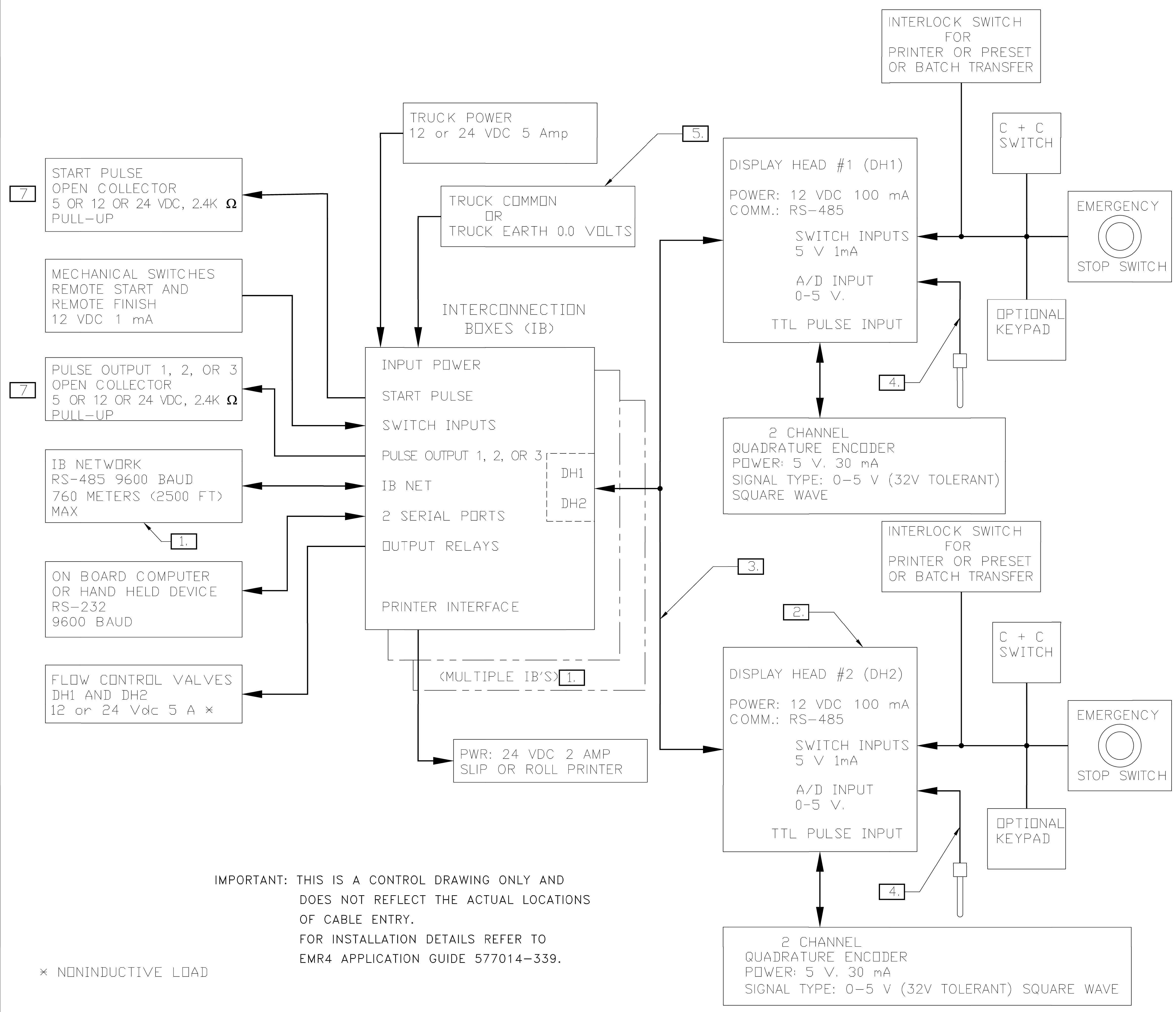


REV	DESCRIPTION	BY	DATE	ECO
A	INITIAL RELEASE	KG	2020/08/31	61040

NOTES:

1. UP TO 16 IB'S MAY BE NETWORKED TOGETHER USING THE IB NETWORK TERMINALS (RS-485) LOCATED IN THE IB.
2. FOR EACH IB, ONE DH MAY BE CONFIGURED AS A REMOTE DISPLAY. AS A REMOTE DISPLAY, THE DH WOULD NOT USE EITHER THE TEMPERATURE PROBE OR THE QUADRATURE ENCODER.
3. IB TO DISPLAY HEAD CABLE RUN:  
A) USE 2 SEPARATE CABLES, ONE FOR EACH DISPLAY HEAD.  
B) EACH CABLE LENGTH MUST NOT EXCEED 305 METERS (1000 FT).
4. TEMPERATURE PROBE CABLES MUST BE SHIELDED AND ARE NOT TO EXCEED A LENGTH OF 7.62 METERS (25 FT).
5. INPUT POWER FOR THE EMR4 IS SUPPLIED ON 2 CONNECTIONS, INPUT-PWR AND GND, LOCATED INSIDE THE IB BOX. THE IB CHASSIS IS TIED DIRECTLY TO CIRCUIT GROUND AND MUST REFERENCE THE SOURCE PROVIDING POWER WHICH IS TYPICALLY DONE AT THE FUSE PANEL.
6. MOUNTING THE IB BOX MAY BE DONE IN ONE OF TWO WAYS. A) MOUNT THE IB BOX DIRECTLY TO THE TRUCK FRAME, ESSENTIALLY BONDING THE TWO TOGETHER. B) INSTALL THE IB BOX SUCH THAT IT IS ISOLATED FROM THE TRUCK FRAME IN EITHER CASE MAKE SURE THAT THE POWER CONNECTIONS ARE MADE ACCORDING TO NOTE 5 AND THE EMR4 APPLICATION GUIDE, 577014-339.
7. THE POSITIVE LEVEL OF THE PULSE OUTPUT OR START PULSE SIGNAL CAN BE INCREASED BY DOING THE FOLLOWING:  
A) SELECTING 24 VDC FOR THE SIGNAL  
B) INSTALLING A PULL-UP RESISTOR BETWEEN THE SIGNAL AND +24V TERMINALS, IN PARALLEL WITH EMR4'S INTERNAL 2.4KΩ PULL-UP RESISTOR.  
C) (IF A 5 OR 12 VDC DEVICE) INSTALL A PROTECTIVE ZENER DIODE WITH APPROPRIATE VOLTAGE RATING (IE.: 12 V ZENER DIODE FOR 12V DEVICE INPUT) BETWEEN THE SIGNAL AND GND TERMINALS.

DO NOT SCALE DRAWING				
DESIGNER	NAME	DATE	NEXT GRP.	-----
GIBSON	GIBSON	2020/08/31	ASSEMBLY	-----
PROJECT	TOOLEY	2020/08/31	FORM NO	-----
MATERIAL	 SIMSBURY, CONNECTICUT 06070 U.S.A.			
REFERENCE MFG. SPEC. VRS 81005 WHERE IT IS APPLICABLE	NOTICE - THIS DOCUMENT IS THE PROPERTY OF THE VEEDER-ROOT COMPANY AND IS NOT TO BE DISCLOSED, REPRODUCED IN WHOLE OR IN PART, OR USED FOR MANUFACTURE BY ANYONE WITHOUT VEEDER-ROOT'S WRITTEN CONSENT.			
UNSPECIFIED TOLERANCES +/- 0.005	<b>TANK TRUCK CONFIG. DIAGRAM EMR4</b>			
SIZE	DRAWING NUMBER	REV.	STATUS	
D	334044-001	A	REL	
SCALE	NONE	SHEET	1	OF 1



IMPORTANT: THIS IS A CONTROL DRAWING ONLY AND DOES NOT REFLECT THE ACTUAL LOCATIONS OF CABLE ENTRY.  
FOR INSTALLATION DETAILS REFER TO EMR4 APPLICATION GUIDE 577014-339.

\* NONINDUCTIVE LOAD