6 SHIELDED ETHERNET CABLES CAT5 OR CAT6, STRAIGHT OR CROSSOVER TYPE SHOULD BE USED.
5 FOR MORE DETAILS REGARDING ELECTRICAL CONNECTIONS SEE DRAWING D7000001-928.
4 FOR BEST EMC PERFORMANCE KEEP ALL SHIELDS CONNECTIONS AS SHORT AS POSSIBLE.
3 A SINGLE TWISTED & SHIELDED PAIR, INDIVIDUAL SHIELDING IS MANDATORY IF TWO BUSS RUN
IN THE SAME CABLE.
2 CONNECT SHIELD TO GROUND AT ONE END ONLY, OTHERWISE A GROUND LOOP MAY OCCUR.
1 KEEP INSULATION PRESERVED IN AREA AROUND HOUSING INLETS TO AVOID CONTACT BETWEEN CABLES AND SHARP EDGES. THE SHIELD MUST BE ISOLATED FROM THE HOUSING.
2460 SYSTEM HUB PRIMARY UNIT

2460 SYSTEM HUB BACKUP UNIT

FIELD DEVICES

CONTROL ROOM

e.g. DCS System or TankMaster

TankMaster

2018-12-21 Electronic Master - Printed Copies Uncontrolled - Emerson Proprietary

RS- 232/485 MODEM CONFIGURATION SWITCHES

<table>
<thead>
<tr>
<th>Switch ID</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>S1</td>
<td>RS-485 selection</td>
</tr>
<tr>
<td>S2</td>
<td>4-wire (full duplex)</td>
</tr>
<tr>
<td>S3</td>
<td>RS-485 termination ON/OFF (High side)</td>
</tr>
<tr>
<td>S4</td>
<td>RS-485 termination ON/OFF (Low side)</td>
</tr>
</tbody>
</table>

1 Both S3 and S4 must be in ON or OFF state for proper termination or no termination.

2 Switches are located on the RS modem board.

For more details see the 2460 Reference Manual 00809-0100-2460 Rev. 8A or later.

EXAMPLE WITH RS-485 BUS

4 WIRE ALTERNATIVE

7 RS485 2-WIRE IS THE PREFERRED CHOICE OVER 4-WIRE IN A REDUNDANT SYSTEM.
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   CABLES AND SHARP EDGES. THE SHIELD MUST BE ISOLATED FROM THE HOUSING.
**For information about the Varec modem configuration switches see the 2460 Reference Manual 00809-0100-2460 Rev. BA or later.**

8 4-WIRE INTERFACES USE SPECIAL TERMINAL BOARD, CHECK TERMINAL NUMBERING BEFORE INSTALLATION.
7 HOST PORT CONNECTION ACCORDING TO SHEET 01-03.
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