

## Appendix 2

### **INTRODUCTION**

The following PressureMAP readings and explanations represent possible 289H-M LSS output for both resistive and 4-20 milliampere (mA) current loop transducers. The information is displayed in various PressureMAP reports and screens. Please note that the first list of readings pertains to resistive and current loop devices, and the second to diagnostics realtime status messages.

### ***Verbose Readings for Resistive and Current Loop Devices***

The examples below pertain to resistive transducers, current loop transducers and contactors.

<b><u>Readings</u></b>	<b><u>Causes</u></b>
<b>(BLANK)</b>	No reading obtained from monitor.
<b>ALRM</b>	Activated contactor.
<b>BCLS</b>	Binary contactor is closed.
<b>BOPN</b>	Binary contactor is open
<b>BUSY</b>	Subscriber pair busy; can't obtain reading.
<b>CLSD</b>	Device closed.
<b>EDIT</b>	Edit error in data setup; check device information in PressureMAP's Data Entry. Check that <i>Access #</i> matches card configuration for monitor. Also make sure that <i>Device Type</i> and corresponding information is supported.
<b>ERR</b>	Failed to get valid reading.
<b>NMAP</b>	No access translation mapping for the device in the assigned Access Number Map.
<b>NSE</b>	Error, noise, or fluctuation on the pair; no valid reading.
<b>OK</b>	Stable, clear state for contactor.
<b>OPEN</b>	Pair reads open; resistance greater than 6.0 megohms.

<b>OPNI</b>	Pair reads open, possibly inside the CO.
<b>OPNO</b>	Pair reads open, possibly outside the CO.
<b>PAIR</b>	Pair trouble or if Trunk/Toll, the device that represents the normal resistance for the pair.
<b>SHRT</b>	Pair shorted. Reading above 33 mA (prior to Version 21, this message was generated by readings above 30 mA.), or resistance less than 95K ohms. For resistive devices on subscriber pairs, check that TD Type in PressureMAP data is correct for the device's ground connection.
<b>UBAL</b>	Unbalanced pair, one or both sides of the pair have too much leakage to ground; run Realtime Leakage Diagnostics Test to determine which side of the pair has the problem. For resistive devices on subscriber pairs, check that TD Type in PressureMAP data is correct for the device's ground connection.
<b>VOLT</b>	Excess AC or DC voltage found on pair (>12 VAC or 42 VDC). Run AC and DC Diagnostics Tests to determine if the voltage is AC or DC.
<b>0.0</b>	Zero reading.

### ***Status Column Explanation***

The status indicator message is the precursor to the corresponding verbose reading. Values for resistive, current loop and contact devices are listed below.

<b><u>Readings</u></b>	<b><u>Status</u></b>	<b><u>Cause</u></b>
(BLANK)	<b>(Blank)</b>	Device not scanned yet
BUSY	<b>Busy</b>	Subscriber pair was in use when reading taken
NSE	<b>Noise</b>	AC voltage on pair
UBAL	<b>Leak</b>	Imbalance
VOLT	<b>Volt</b>	Stray voltage on pair (> 10V DC or 6V AC)