TELEDYNE
GAS AND FLAME DETECTION
Everywhere**you**look™

Features		7800 Controller		8800 Controller	
Analog Inputs	✓	12 bit, 8/16, 0(4)-20mA	✓	12 bit, 8/16, 0(4)-20mA	
Analog Outputs	✓	10 bit 4-20mA output. Max load 800 ohms with nominal 24VDC power supply	✓+	16 bit 4-20mA output. Max load 800 ohms with nominal 24VDC power supply	NEW
Alarm Level Functionality	✓	3 independent alarm levels with relay acknowledge	✓+	4 independent alarm levels with relay acknowledge	NEW
Communication Ports	✓	Standard dual Modbus RS-485 master/slave ports	✓+	Standard dual Modbus RS-485 master or slave ports and Modbus TCP server/client port	NEW
Graphic Display	✓	5 inch standard monochrome graphic backlit LCD	✓+	5.7 inch bright QVGA color screen displaying data as trends, bar graphs, and engineering units	NEW
Standard Relays (Without Auxiliary Relay Board)	✓	4 Standard, partially programmable SPDT common alarm relays	✓+	5 Standard, fully programmable SPDT alarm relays. 4 standard programmable digital outputs	NEW
Optional Relays	✓	Standard discrete relays	✓+	Standard discrete relays plus truly programmable relays	NEW
Isolated Modbus Options		Not available	✓+	Two additional isolated and programmable Modbus RS-485 ports available	NEW
Data Logging Capability		Not available	✓+	Data logging on SD card allows recording of input, values and events	NEW
Web Server		Not available	✓+	Configuration and monitoring available via embedded web server	NEW

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