

# MPAX PERSONALITY MODULE SELECTOR GUIDE FOR LPAX

The large displays have various input options, determined by the installation of a MPAX personality module. These MPAX modules are based on standard PAX panel meters, and use the same data sheet as the PAX meter for specifications and wiring.

## About the MPAX Input Modules

The MPAX Module serves as the input to the LPAX Display. There are several different modules to cover a variety of inputs. The MPAX module provides input scaling which allows the LPAX to display most any engineering unit. Once the MPAX is inserted into the LPAX, the unit has the same functions and capabilities of our PAX Series Intelligent Panel Meters. A full set of PAX programming instructions will be included with the MPAX Module.

*Note: The MPAX provides the operating power for the LPAX, therefore you must select either the AC or DC MPAX corresponding with your application and available power.*

## Selecting Your Display Components

To build a complete display unit, you will need an LPAX and an MPAX Input Module. The LPAX is only a display and will not operate without an MPAX Module. Please use the following chart to identify the appropriate MPAX Module (including supply power) and LPAX Display that will satisfy your application.

### MPAX Modules for LPAX5 (Analog units)

SIGNAL TYPE	INPUT RANGES	MPAX MODULES *		LPAX DISPLAYS
		85-250 VAC	11 to 36 VDC/ 24 VAC	
Universal DC Inputs	DC Voltage 200 mV, 2 V, 20 V, 300 V DC Current 200 $\mu$ A, 2 mA, 20 mA, 200 mA, 2 Amp Resistance 100 ohm, 1000 ohm, 10 K ohm	<a href="#">MPAXD000</a>	<a href="#">MPAXD010</a>	LPAX0500
Process Inputs	0-20 mA or 0-10 VDC	<a href="#">MPAXP000</a>	<a href="#">MPAXP010</a>	LPAX0500
Temperature Inputs	Thermocouples -T, E, J, K, R, S, B, N, C, or Custom Scaling RTDs - 100 ohm Pt (platinum) 385/392, 120 ohm Nickel 672, or 10 ohm Copper 427	<a href="#">MPAXT000</a>	<a href="#">MPAXT010</a>	LPAX0500
Strain Gage/Load Cell	24 mV or 240 mV	<a href="#">MPAXS000</a>	<a href="#">MPAXS010</a>	LPAX0500
True RMS AC Voltage/Current	AC Voltage 200 mV, 2 V, 20 V, 300 V AC Current 200 $\mu$ A, 2 mA, 20 mA, 200 mA, 5 Amp	<a href="#">MPAXH000</a>	N/A	LPAX0500

\*For detailed Module specifications, see corresponding PAX literature.

(i.e. For MPAXD specifications, see the PAXD literature)

MPAX modules for LPAX5 units work with [Crimson](#).

Clicking on any blue text in the above table will download the appropriate PAX panel meter data sheet for that MPAX module.

### MPAX Modules for LPAX6 (Digital units)

SIGNAL TYPE	MPAX MODULES*		LPAX DISPLAYS	OPTIONAL PLUG-IN CARD COMPATIBILITY			
	85-250 VAC	11 to 36 VDC / 24 VAC		SETPOINT	COMMS	ANALOG	REAL-TIME CLOCK
Count/Rate/Serial Slave	<a href="#">MPAXI020</a> <sup>è</sup>	<a href="#">MPAXI030</a> <sup>è</sup>	LPAX0600	YES	YES	YES	-
Count	<a href="#">MPAXC020</a>	<a href="#">MPAXC030</a>	LPAX0600	YES	-	-	-
Rate	<a href="#">MPAXR020</a>	<a href="#">MPAXR030</a>	LPAX0600	YES	-	-	-
Clock/Timer	<a href="#">MPAXCK00</a> <sup>††</sup>	<a href="#">MPAXCK10</a> <sup>††</sup>	LPAXCK00**	YES	YES	-	YES
Timer	<a href="#">MPAXTM00</a> <sup>††</sup>	<a href="#">MPAXTM10</a> <sup>††</sup>	LPAXCK00**	YES	YES	-	-

\*For detailed module and plug-in card specifications, see corresponding PAX literature.

(i.e. For MPAXI specifications, see the PAXI literature)

\*\*The LPAXCK will only operate with the Clock/ Timer MPAX input module.

† MPAXI works with [Crimson](#).

†† MPAXCK00, MPAXCK10, MPAXTM00 and MPAXTM10 work with [RLCPro](#).

Clicking on any blue text in the above table will download the appropriate PAX panel meter data sheet for that MPAX module.

### MPAX Modules for LPAXDA (Dual Analog Unit)

SIGNAL TYPE	INPUT RANGES	MPAX MODULES *		LPAX DISPLAY
		85-250 VAC	11 to 36 VDC/ 24 VAC	
Dual Process Inputs	0-20 mA or 0-10 VDC	<a href="#">MPAXDP00</a>	<a href="#">MPAXDP10</a>	LPAXDA00

\*For detailed Module specifications, see corresponding PAX literature.

(i.e. For MPAXDP specifications, see the PAXDP literature)

MPAX modules for LPAXDA units work with [Crimson](#).

Clicking on any blue text in the above table will download the appropriate PAX panel meter data sheet for that MPAX module.