iPack 2202

HIGH DENSITY
SWITCH PACK / FLASHER

The EDI *iPack*® series Model 2202 High Density Switch Pack / Flasher Unit (HDSP/FU) is designed to operate in the Advanced Transportation Controller (ATC) Cabinet Output Assembly to form a compact and modular load switch and measurement system. The *iPack*®2202 series provides two RYG channels of operation (6 outputs) compatible with ultra low power LED signal heads. Both voltage and load current data acquisition functions are provided to the cabinet monitoring system using Serial Bus #3.

The Model 2202 functions as either a load switch or four output flasher, eliminating the need for an inventory of flasher units. The ATC Cabinet and related components are designed to provide both conventional 120 Vac operation, 220 Vac operation and offer low voltage 48 VDC operation for enhanced technician and motorist safety.

Model Options:

2202-HV 2 channel load switch (6 outputs) / 2 channel flasher (4 outputs), 120 VAC
2202-LV 2 channel load switch (6 outputs) / 2 channel flasher (4 outputs), 48 VDC
2202-VHV 2 channel load switch (6 outputs) / 2 channel flasher (4 outputs), 220 VAC

iPack® 2202 ENHANCED FEATURES

Dual Channel HDSP Configuration: The unit provides two channels (6 outputs) of drive capability. Each output is rated for up to 1 Amp of load current.

Universal Load Switch & Flasher Function: The *iPack*® 2202 functions as either a dual channel load switch or a four output Flasher unit based on the slot address. A separate inventory of Flashers is not needed.

Standardized Communications: The *iPack*® 2202 uses real-time standardized high speed SB#3 communications with the CMU-2212 Cabinet Monitor Unit to send a complete set of RMS voltage and load current measurements.

Load Current Monitoring: Quantitative load current measurements are taken for each load switch output. This enables the CMU to detect an unsafe no-load condition immediately. Load current monitoring also increases the diagnostic capability of the CMU to identify off-state voltage leakage conditions without ambiguity.

High Density Form Factor: The *iPack*® 2202 is built on a 4.5 x 6.5 inch format (1.2 inch card pitch) with a rugged DIN connector.

Driver Shutdown: The *iPack*® 2202 will disable the channel Outputs under fault conditions defined by the CMU-2212 offering an additional fail-safe mode during cabinet malfunction conditions.

Low Voltage 48 VDC Operation (2202-LV): Provide an additional level of safety to technicians and motorists with touch-safe low voltage operation.

Touch Safe Handle: Provide an additional level of safety to technicians with an insulated and rugged Lexan™ handle.

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