

POWER SUPPLIES

POWER SUPPLY STANDBY

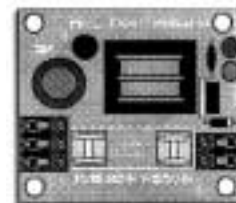
The UPS Standby power systems are unbeatable in value. They provide superior power protection from blackouts, brownouts, surges and line noise. Rapid battery switch-over, the smoothest and fastest crossover from battery to power 2-4 milliseconds when AC power dips below 101 VAC. Three receptacles for 3 conductor outlets, typical UPS power time available 30 minutes, recharge time required 8 hours. Protects connected equipment against damage from voltage transients, including lightning strikes. Size: 6.65" H x 4.25" W x 13.75" D. Ship weight 12.5 lbs. Warranty 1 year.



ORDER NO.	PART NO.	DESCRIPTION	PRICE	NET
C005	BC280	280VA Output At 180 Watts (2 Receptacles)	\$ 168.00	\$ 118.00
C006	BC425	425VA Output At 270 Watts (3 Receptacles)	246.00	181.00

POWER SUPPLY 5V

A low cost, linear regulated power supply in a small compact package. Works from a 117 VAC source and provides a regulated +5VDC source at a maximum continuous current of 100 mA. An ideal supply for small control applications which require power for small relays or logic. Applications include batching, control, and test fixturing. Size: 2-1/2" x 2-3/4". Warranty 1 year.



ORDER NO.	PART NO.	DESCRIPTION	PRICE	NET
C700	5VPS	5V Power Supply in PVC Box	\$ 100.00	\$ 75.00

POWER SUPPLY AUXILIARY UJB-5 TRACKING

This stand alone, highly stable tracking DC Power Supply system will power 8-175 ohm, 16-350 ohm or 32-700 ohm load cells. Compatible with most indicators. 5 to 18 VDC excitation voltage, NOT COMPATIBLE WITH GATED (CHOPPED) SUPPLIES. Tracks input voltage of source or can increase excitation for higher cell outputs and still track the input. Multiplications of up to 3X. Stand-alone mode, high stability tracking DC power supply 4.9V- 18VDC. Multiplies input voltage x 1, x 1.25, and x 1.5. Miniature screw connectors. Maximum wire size #14 AWG. Mounted in NEMA 4X fiberglass enclosure with 3 strain-reliefs and power cord. Includes mounting hardware. Size: 7.5" x 6.5" x 3.5"H. Board size: 6-3/4"x 4-3/4". Warranty 1 year.



ORDER NO.	PART NO.	DESCRIPTION	PRICE	NET
C705	UJB-5HD F	Tracking Auxiliary Power Supply System	\$ 360.00	\$ 270.00

POWER CONDITIONING



DATA LINE PROTECTION RS-232

The Model C050 RS232 protector is designed to protect the RS232 lines 2 through 8 and 20 from high voltage caused by induced surges. An integrated PCB with capacitors provides line protection. DB25 pin male to female peak interference: compensated adapter safeguards valuable equipment. Warranty 1 year.

ORDER NO.	PART NO.	DESCRIPTION	PRICE	NET
C050	788-PL	RS232 Line Protection	\$ 25.00	\$ 15.25

POWER LINE PROTECTOR

The TP-1, top of the line, Stainless Steel AC power transient protector provides superior isolation against spikes and short duration surges while providing EMI/RFI suppression. Contains series-type filters placed within a bidirectional design. Stainless Steel enclosure or optional fiberglass desk or wall mount. Size: 6" x 8" x 2-1/2" H, w/10' of ground cord. Requires grounded outlet for proper operation. Warranty 5 year.



SPECIFICATIONS		TP-1	SPECIFICATIONS		TP-1
No. Of Outlets		2	Status Light		Yes
Phone Line		No	Load Capacity		10 AMPS
Line Voltage		120V/AC	Power Cord, 3 Prong		9 Feet
Noise Filter		Yes	Replaceable Fuse		Yes
Filtering RFI/EMI		1Khz-30Mhz	Response Time		3-5 Nano Sec.

ORDER NO.	PART NO.	DESCRIPTION	PRICE	NET
C160	LTP-1 SS	Surge Protector Duplex Receptacle, Stainless Steel Box	\$ 250.00	\$ 187.50
C161	LTP-1-220V	Same As Above Except 220 VAC	320.00	224.00

POWER LINE PROTECTION CENTER

The 14-PC-US power line surge protector is a UL approved product designed for power protection, system organization and control. The integral solid state line conditioning circuitry conditions incoming power and distributes it through 5 (five) fully shielded 125/VAC outlets. This arrangement allows the user to power up each individual component device in a system by activating individual switches (monitor, digital indicator, printer, computer, aux-1, aux-2). A built-in master switch allows activation of the entire system at one time. Size; 12"D x 13"W x 2-1/4"H. Full electrical specifications included with unit.



ORDER NO.	PART NO.	DESCRIPTION	PRICE	NET
C107	14-PC-US	Power Line Surge Protector	\$ 38.00	\$ 26.00
OPTIONS				
C107-1		Fax and Modem Protection	43.00	31.00

TRANSIENT PROTECTOR EMI/RFI AND AC

This is a multiple stage, high capacity transient suppression system. It's filters have dedicated bi-directional high-speed clamping elements on both incoming lines and on both exiting lines, clamping in 3 to 5 nanoseconds. **THIS UNIT REQUIRES A GROUND FOR PROPER OPERATION.** Black molded ABS case, circuitry is encapsulated in epoxy resin for maximum heat sinking. Trip point: 130 VAC RMS, series fuse 2.5 Amps, current 2.0 Amps continuous, 3.5 Amps intermittent. Intended for use **INSIDE** customer's enclosure. Overall size: 2 1/16" x 4" x 1 3/4" H.



ORDER NO.	PART NO.	DESCRIPTION	PRICE	NET
C720	LTP-5D	Transient Protector System	\$ 217.00	\$ 152.00

LIGHTNING PROTECTOR – DC LOAD CELL

The Model C105 Arrestor is designed to protect a load cell scale installation from catastrophic high voltage caused by lightning-induced surges. It is a solid state (quad-diode) passive device requiring no power, and acts to protect the load cell by instantaneously short circuiting a potentially damaging voltage to ground. The Arrestor automatically resets, and therefore requires no maintenance. The Model C110 incorporates the C105 Arrestor mounted in a weather-tight enclosure to insure continued operation regardless of weather conditions. The Model C105 Arrestor installation is critical and should be installed within one foot (1 foot) of the load cell. Response time 4 Nano Seconds, threshold voltage 90 V +/- 20%, extinguishing voltage 90 V (automatic reset point), insulation resistance 1000 Mega ohms. Warranty 1 year.



ORDER NO.	DESCRIPTION	PRICE	NET
C105	Lightning Protector Only	\$ 125.00	\$ 85.50
C110-A	Lightning Protector With PVC Water Proof Box	185.00	112.50

TRANSIENT PROTECTOR – DC LOAD CELL

These cost effective, self contained arrestors are easy to install. Encapsulated circuitry eliminates fungus and the sealed PVC enclosure is inert to most chemicals. Designed to protect load cells, this series type protector has a separate shield protector and is standard with ground cord. Maximum excitation voltage: 18 VAC/DC. Clamping time <100 nanoseconds. Leakage to ground: 110uh typical. Maximum serial baud data rate: 30K baud. Requires optional sealing kit to meet NEMA 4 or NEMA 6 standards. Size: 6-1/4" x 5-7/16" x 2-1/2" H. Warranty 1 year.



ORDER NO.	PART NO.	DESCRIPTION	PRICE	NET
C725	DC-LCP1	DC 4 Channel Load Cell Transient Protector	\$ 180.00	\$ 120.00
C726	DC-LCP2	DC 6 Channel Load Cell Transient Protector With Remote Sense	190.00	132.60
OPTIONS				
C725-1	LCP-2 SK	NEMA 4 Sealing Kit	20.00	15.00



CONVERTERS

PROTOCOL CONVERTER



This bi-directional interface converts parallel to serial or serial to parallel, selectable via dipswitch. This unit supports all serial formats X-ON X-OFF and DTR handshaking. Standard TTL signal for Parallel and E1A RS-232 for serial. Uses standard Centronics 36M and DB25F connectors. 9 volt DC power adapter included. Optional 256K buffer available. Warranty 1 year.

ORDER NO.	PART NO.	DESCRIPTION	PRICE	NET
C060	SP-320	Bidirectional Converter	\$ 189.00	\$ 104.00
C065	SP-325	Bidirectional Converter w/ 256K Buffer	215.00	145.00

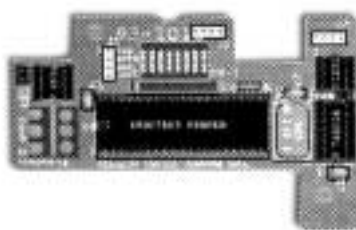
CONVERTER MINIATURE



This ultra-miniature RS232 to 20 mA current loop, full duplex serial converter with optical isolation operates with Baud rates up to 38.4 Kb. Board only available with mounting adhesive or standoffs. Complete version in NEMA 4X fiberglass enclosure with single 5 VDC power supply. Warranty 1 year.

ORDER NO.	PART NO.	DESCRIPTION	PRICE	NET
C740	CL-RS232C	Complete Version NEMA 4x Fiberglass Enclosure	\$ 167.00	\$ 120.00
C740-1	CL-RS232BO	Board Only	117.00	82.000

CONVERTER SERIAL TO PLC

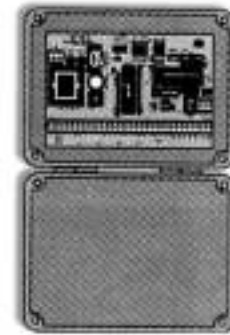


This is an interface CONDEC 2000 scale indicator with continuous serial data output to Allen Bradley PLC. Interfaces with RS-232 or 20 mA serial outputs. Interface requires only two wires, is cost-effective, and provides scale weight data to the PLC accurate to 1:201,000 with a precision of +1/4 count. Requires a VHS-1776 High Speed Counter/Timer board in the PLC. (One 1776 board can interface to 4 scales.) Interface requires only 3 lines of program code in the PLC to make the actual scale weight available in the PLC register. Updates data four times per second. Can be used with other PLC systems which have similar counter/timer cards. Warranty 1 year.

ORDER NO.	PART NO.	DESCRIPTION	PRICE	NET
C750	SPC-BO	Serial to Period Converter - Board Only	\$ 278.00	\$ 195.00

CONVERTER SERIAL TO BCD

This converter receives serial ASCII signal (20 mA current loop), buffers it, reformats it to BCD, and produces a BCD output. The software also allows the operator to invert the BCD data, the minus, overweight, net, and motion outputs selectively. Circuit board contains BCD output at TTL levels with high sink, 100 mA external voltage operation, 24 VDC direct PLC operation. Outputs for BDC, annunciators, and BCD drive voltage input. Standard unit is a NEMA 4 Fiberglass reinforced plastic housing. Enclosure size: 10" x 8" x 6". Warranty 1 year.



ORDER NO.	PART NO.	DESCRIPTION	PRICE	NET
C755	SBCD	Serial to BCD Converter	\$ 427.00	\$ 300.00

CONVERTER THE GREAT COMMUNICATOR

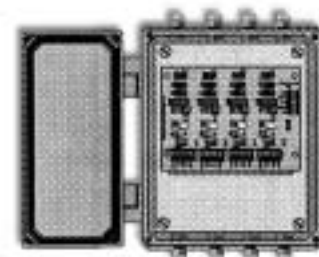
A self-contained, line powered, optically isolated, bi-directional data conditioner. Used to buffer and convert commonly used serial data forms and gain the benefits of optical isolation, particularly with RS-232. Supports the following data types: RS-232 and RS-422. Active or passive 20 mA current loop. Cable runs up to 4000 feet. Warranty 1 year.



ORDER NO.	PART NO.	DESCRIPTION	PRICE	NET
C760	TGC-1F	Great Communicator - Fiberglass enclosure	\$ 426.00	\$ 300.00

CONVERTER – LOAD CELL TO ANALOG

This system filters and amplifies the signals from one up to four load cells and converts those signals to standardized 4-20 mA analog outputs for use by a PLC. Produces a separate signal for each load cell. Can be used as a stand-alone unit; as a power supply (includes its own power supply to power and amplify the load cells) or can be used to eliminate a junction box in the system. Standard NEMA 4X fiberglass 12" x 10" enclosure. Warranty 1 year.



ORDER NO.	PART NO.	DESCRIPTION	PRICE	NET
C765	4LC-420F	Load Cell to Converter @2 mv/V Fiberglass Enclosure	\$ 795.00	\$ 556.50
C770	4LC-420F	Load Cell to Converter @3 mv/V Fiberglass Enclosure	795.00	556.50
C770-2	4LC-420P	Load Cell to Converter Power Supply - Board Only	316.00	222.00



CONVERTER – ASCII TO ANALOG

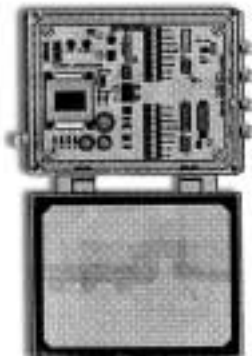
This product receives either 20 mA (active or passive), serial current loop, or RS232C and converts this into an isolated 4-20 mA AND/OR 0-10 VDC analog output. Setup is fully digital. The analog output can represent weight, flow rate, or control a PID to maintain a constant flow. 2 programmable digital setpoints with two logic level outputs. (Relay board optional). Full 12 bit accuracy; compatible with PLC and data acquisition cards. Basic model has 0.3" 8 digit display and 5 pushbuttons located inside enclosure; deluxe model has external VFD and external buttons. Complete with all power supplies. NEMA 4X fiber-reinforced polyester enclosure. Warranty 1 year.



ORDER NO.	PART NO.	DESCRIPTION	PRICE	NET
C780	SER420 D	ASCII to Analog Converter - Deluxe - Fiberglass	\$ 1285.00	\$ 900.00

FIBER-OPTIC COMMUNICATIONS

Complete duplex fiber-optic transceiver with RS-232, RS-422, RS-485, 20 mA current loop, and TTL interfaces. 117 VAC/230 VAC operation. In-phase and out-of-phase selection on both input and output channels. 1 mm plastic fiber-optic cable with low cost field-installable connectors. Baud rates > 1 mb/sec. Cable lengths to > 2000'. Totally self-contained in NEMA 4X 8" x 6" JIC enclosure. Use for lightning-proof data links, reliable data transmission in high noise environments. Warranty 1 year.



ORDER NO.	PART NO.	DESCRIPTION	PRICE	NET
C730	B47-F	Fiber-Optic Transceiver - Fiberglass	\$ 375.00	\$ 262.50
C730-2	B47-C	Fiber-Optic Cable (per meter)	4.18	2.92

FIBER-OPTIC COMMUNICATION SYSTEM

This is an office mount, Quad Duplex Fiber-Optic distribution system. 120 VAC/ 240 VAC operation. 1 mm plastic fiber-optic cable with field installable connectors. RS232 or RS422 serial formats. Operates on Baud rates up to 1 Mb. Cable runs up to 2000'. Variable loop power with data inversion control. Enclosure standard. Warranty 1 year.



ORDER NO.	PART NO.	DESCRIPTION	PRICE	NET
C745	B55Q Desk	Communication System - Desk	\$ 712.00	\$ 498.75