



## INDUSTRIAL INTERFACE CUSTOMER PRICE LIST 2009

| Description   | Part number                | List Price |
|---|----------------------------|------------|
| <b>420 SERIES LOOP POWERED INSTRUMENTS</b>  |                            |            |
| LOOP POWERED ISOLATOR: EXISTING 4-20mA IN; GENERATES 4-20mA OUT   | 420i-AAXX-8                | 65.00      |
| LOOP POWERED ISOLATOR: EXISTING 4-20mA IN; GENERATES 1-5V OUT   | 420i-AFX-8                 | 65.00      |
| LOOP POWERED ISOLATOR: EXISTING 4-20mA IN; GENERATES 0-10V OUT OR 0-5V OUT  | 420V-AGXX-8                | 80.00      |
| LOOP POWERED ISOLATOR: 4-20mA OUT (POWERED FROM OUTPUT SIDE);<br>4-20mA, 0-10V, 0-5V OR 0-20mA INPUT, CUSTOM INPUT AVAILABLE        |                            |            |
| 1-5V INPUT, 4-20mA OUT  | 420TWHL-FAXX-9             | 80.00      |
| 4-20mA INPUT, 4-20mA OUT  | 420TWHL-AAXX-9             | 80.00      |
| 0-10V INPUT, 4-20mA OUT   | 420TWHL-GAXX-9             | 80.00      |
| 0-5V INPUT, 4-20mA OUT  | 420TWHL-EAXX-9             | 80.00      |
| LOOP POWERED ISOLATOR: 4-20mA OUT (POWERED FROM OUTPUT SIDE),<br>THERMOCOUPLE INPUT (2 WIRE) USER CONFIGURABLE                      | 420TWTC-JAXX-9             | 90.00      |
| LOOP POWERED ISOLATOR: 4-20mA OUT (POWERED FROM OUTPUT SIDE)<br>RTD INPUT (2 or 3 WIRE)   | 421TWRD-JAXX-9             | 90.00      |
| <b>IN-HEAD TRANSMITTERS</b>   |                            |            |
| THERMOCOUPLE INPUT; USER CONFIGURABLE FOR T/C TYPES K, J AND T<br>FACTORY CONFIGURED FOR T/C TYPES R, S, B, L, E, OR N              | TCHEAD-JAXX-9<br>TCHEAD-FC | 64.00      |
| RTD INPUT; USER CONFIGURABLE  | RTDHEAD-JAXX-9             | 64.00      |
| <b>ISOCON FAMILY - ISOLATING SIGNAL CONVERTERS</b>  |                            |            |
| <b>DC POWERED</b>   |                            |            |
| UNIVERSAL INPUT USER CONFIGURABLE CONVERTER WITH TRANSMITTER SUPPLY   | ISOCON-6                   | 104.00     |
| DC POWERED, UNIVERSAL INPUT, USER CONFIGURABLE DUAL ISOLATED OUTPUTS WITH<br>TRANSMITTER SUPPLY                                     | DUALCON-6                  | 145.00     |
| DC CURRENT/VOLTAGE INPUT  | VCONHL-6                   | 104.00     |
| DC POWERED USER CONFIGURABLE ISOLATOR CURRENT OR VOLTAGE INPUT AND<br>OUTPUT  | SLIMCON-6                  | 80.00      |
| <b>MAINS POWERED</b>  |                            |            |
| UNIVERSAL INPUT USER CONFIGURABLE CONVERTER WITH TRANSMITTER SUPPLY   | ISOCON-3                   | 104.00     |
| AC POWERED, UNIVERSAL INPUT, USER CONFIGURABLE DUAL ISOLATED OUTPUTS WITH<br>TRANSMITTER SUPPLY                                     | DUALCON-3                  | 145.00     |
| <b>THERMOCOUPLE INPUT AND OUTPUT</b>  |                            |            |
| THERMOCOUPLE ISOLATOR. THERMOCOUPLE mV INPUT AND OUTPUT   | TC-TC                      | 104.00     |
| <b>STRAIN GAUGE TRANSMITTER</b>   |                            |            |
| DC POWERED, UNIVERSAL STRAIN GAUGE/ LOAD CELL TRANSMITTER   | STRAIN-DC                  | 180.00     |
| AC POWERED, UNIVERSAL STRAIN GAUGE/ LOAD CELL TRANSMITTER   | STRAIN-AC                  | 180.00     |
| <b>VOLTAGE DIVIDER</b>  |                            |            |
| VOLTAGE DIVIDER, USED TO REDUCE VOLTAGES GREATER THAN 75VDC OR 50VAC TO<br>COMPLY WITH LOW VOLTAGE DIRECTIVE                        | DIVIDER                    | 15.00      |
| <b>SMART INSTRUMENTATION</b>  |                            |            |
| DC POWERED; FREQUENCY INPUT; CURRENT/VOLTAGE OUTPUT   | FREQCON-6                  | 125.00     |
| DC POWERED; TWO INPUTS; MATHS FUNCTION; ISOLATED CURRENT/VOLTAGE OUTPUT   | MATHSCON-6                 | 175.00     |
| PROGRAMMABLE LOGIC CONVERTER 3 ANALOGUE INPUTS, 2 DIGITAL INPUTS 2<br>ANALOGUE & 2 DIGITAL OUTPUTS FULL MATHS AND CONTROL FUNCTIONS | CHAMELEON-6                | 345.00     |
| + HALF DAY FACTORY PROGRAMMING  | +PROG1                     | 50.00      |
| + FULL DAY FACTORY PROGRAMMING  | +PROG2                     | 100.00     |
| + RS485 COMMS OPTION  | +RS485                     | 30.00      |
| RS232 COMMS. CABLE  | CAB232                     | 30.00      |
| RS485 COMMS. CABLE  | CAB485                     | 30.00      |



## INDUSTRIAL INTERFACE CUSTOMER PRICE LIST 2009

| <b>TRIP AMPLIFIERS</b>  |                         |        |
|---|-------------------------|--------|
| 20-ALM LOOP POWERED; SINGLE SETPOINT  | <b>20ALMDC-AXXX-8</b>   | 70.00  |
| 2002 24VDC POWERED CURRENT/VOLTAGE INPUT; DUAL SETPOINT   |                         |        |
| 0-10V INPUT   | <b>2002ALMHL-GXXX-6</b> | 104.00 |
| 0-5V INPUT  | <b>2002ALMHL-EXXX-6</b> | 104.00 |
| 0-20mA INPUT  | <b>2002ALMHL-BXXX-6</b> | 104.00 |
| 4-20mA INPUT  | <b>2002ALMHL-AXXX-6</b> | 104.00 |
| FACTORY CONFIGURED  | <b>2002ALMHL-FC</b>     | 104.00 |
| 2002 24VDC POWERED THERMOCOUPLE INPUT; DUAL SETPOINT  |                         |        |
| TYPE K 0-200 DEG C  | <b>2002ALMTC-QXXX-6</b> | 111.00 |
| TYPE K 0-250 DEG C  | <b>2002ALMTC-RXXX-6</b> | 111.00 |
| TYPE K 0-600 DEG C  | <b>2002ALMTC-TXXX-6</b> | 111.00 |
| FACTORY CONFIGURED  | <b>2002ALMTC-FC</b>     | 111.00 |
| 2002 24VDC POWERED RESISTANCE THERMOMETER INPUT; DUAL SETPOINT  |                         |        |
| 3 WIRE 0 TO 100 DEG C   | <b>2002ALMRD-3XXX-6</b> | 111.00 |
| 3 WIRE 0 TO 250 DEG C   | <b>2002ALMRD-6XXX-6</b> | 111.00 |
| 3 WIRE -100 TO +100 DEG C   | <b>2002ALMRD-YXXX-6</b> | 111.00 |
| 3 WIRE -50 TO +50 DEG C   | <b>2002ALMRD-ZXXX-6</b> | 111.00 |
| FACTORY CONFIGURED  | <b>2002ALMRD-FC</b>     | 111.00 |
| 4002 UNIVERSAL INPUT TRIP AMPLIFIER, DUAL SETPOINT, ISOLATED RETRANSMISSION, LED DISPLAY, DC POWERED  | <b>4002ALM-6</b>        | 175.00 |
| 4002 TRIP AMPLIFIER FAMILY FACTORY CONFIGURED FOR INPUT TYPE AND RANGE, RETRANSMISSION OPTION, POWER SUPPLY TYPE, LED DISPLAY OPTION, TRANSMITTER POWER SUPPLY OPTION |                         |        |
|   |                         |        |
| 4002ALMHL-AAXX-4AB  |                         |        |
| 4002ALMHL CURRENT/VOLTAGE INPUT   | <b>4002ALMHL</b>        | 160.00 |
| 4002ALMTC THERMOCOUPLE INPUT  | <b>4002ALMTC</b>        | 175.00 |
| 4002ALMRD PT100 RTD INPUT   | <b>4002ALMRD</b>        | 175.00 |
| HL INPUT TYPES A TO G   | e.g. -A                 | 0.00   |
| TC INPUT TYPES P TO W   | e.g. -P                 | 0.00   |
| RTD INPUT TYPES Y TO Z  | e.g. -Y                 | 0.00   |
| RETRANSMITTED OUTPUT OPTION A TO G  | e.g. -A                 | 30.00  |
| POWER SUPPLY, -4 115/230VAC, -6 24VDC   | e.g. -4                 | 0.00   |
| LED DISPLAY OPTION  | A                       | 35.00  |
| TRANSMITTER SUPPLY OPTION   | B                       | 15.00  |
| <b>ADD ALL FITTED OPTION PRICES</b>   |                         |        |
| <b>INDUSTRIAL ETHERNET MODULES</b>  |                         |        |
| ANALOGUE TO INDUSTRIAL ETHERNET CONVERTER   | <b>E-100</b>            | 195.00 |
| ANALOGUE TO RS232 CONVERTER   | <b>E-100-RS</b>         | 175.00 |
| RS232/485 TO ETHERNET GATEWAY   | <b>E-PORT</b>           | 195.00 |
| BUS INPUT MODULE 1 OF UNIVERSAL ANALOGUE INPUT  | <b>ISOSLICE-1</b>       | 104.00 |
| BUS INPUT MODULE 8 OFF mA OR VOLTAGE INPUTS   | <b>ISOSLICE-2</b>       | 120.00 |
| BUS INPUT MODULE 4 OFF RTD INPUTS   | <b>ISOSLICE-3</b>       | 135.00 |
| BUS INPUT MODULE 4 OFF THERMOCOUPLE INPUTS  | <b>ISOSLICE-4</b>       | 145.00 |
| BUS INPUT MODULE 8 OFF DIGITAL INPUTS   | <b>ISOSLICE-5</b>       | 74.00  |
| BUS INPUT MODULE 4 OFF DIGITAL OUTPUTS  | <b>ISOSLICE-6</b>       | 78.00  |
| BUS INPUT MODULE FREQUENCY INPUT  | <b>ISOSLICE-7</b>       | 104.00 |
| WIRELESS ETHERNET BRIDGE SYSTEM   | <b>E-BRIDGE</b>         | 280.00 |
| CAN TO RS232 GATEWAY  | <b>CAN-PORT</b>         | 415.00 |
| RANGE OF ETHERNET SWITCHES COPPER AND FIBRE OPTIC   | <b>CONTACT SALES</b>    |        |
| <b>ZIGBEE WIRELESS SENSORS AND SYSTEMS</b>  |                         |        |
| ZIGBEE WIRELESS TRANSMITTER/RECEIVER MODULE   | <b>Z-200</b>            | 175.00 |
| FOR BUS INPUT MODULES SEE ISOSLICE UNITS ABOVE  |                         |        |
| ZIGBEE TO ETHERNET GATEWAY  | <b>Z-PORT</b>           | 195.00 |
| ZIGBEE TO RS232/485 GATEWAY   | <b>Z-PORT-RS</b>        | 175.00 |
| UNIVERSAL ZIGBEE WIRELESS TRANSMITTER   | <b>Z-HEAD</b>           | 95.00  |
| ZIGBEE WIRELESS AMBIENT TEMPERATURE & HUMIDITY SENSOR   | <b>Z-TEMP</b>           | 95.00  |



## INDUSTRIAL INTERFACE CUSTOMER PRICE LIST 2009

|   |                       |               |
|---|-----------------------|---------------|
| ZIGBEE NETWORK ROUTER   | <b>Z-ROOT</b>         | 75.00         |
| SMALL ZIGBEE ANTENNA  | <b>Z-ANT-7000</b>     | Contact Sales |
| WALL OR PANEL MOUNTING ZIGBEE ANTENNA   | <b>Z-ANT-2401</b>     | "             |
| ATEX APPROVED ZIGBEE ANTENNA  | <b>Z-ANT-EX</b>       | "             |
| <b>SURGE AND LIGHTNING PROTECTION DEVICES</b>   |                       |               |
| PROCESS CONTROL SIGNAL SURGE PROTECTION   | <b>SLD-67-</b>        | 55.00         |
| INDUSTRIAL ETHERNET NETWORK SURGE PROTECTION  | <b>SLD-RJ45</b>       | 40.00         |
| TELEPHONE SYSTEM SURGE PROTECTION   | <b>SLD-RJ11</b>       | 40.00         |
| RS 232/485 SURGE PROTECTION   | <b>SLD-485</b>        | 40.00         |
| VIDEO SIGNAL SURGE PROTECTION   | <b>SLD-BNC</b>        | 40.00         |
| CCTV NETWORK SURGE PROTECTION   | <b>SLD-XD24B</b>      | 80.00         |
| POWER SUPPLY INCOMING SURGE PROTECTION 15 KA MAX DISCHARGE CURRENT  | <b>SLD-D230</b>       | 45.00         |
| POWER SUPPLY INCOMING SURGE PROTECTION 40 KA MAX DISCHARGE CURRENT  | <b>SLD-20C</b>        | 24.00         |
| POWER SUPPLY INCOMING SURGE PROTECTION 120 KA NOM DISCHARGE CURRENT   | <b>SLD-75B</b>        | 55.00         |
| <b>POWER SUPPLIES</b>   |                       |               |
| 10W POWER SUPPLY, UNIVERSAL MAINS INPUT   | <b>DSP10-24</b>       | 30.00         |
| 30W POWER SUPPLY, UNIVERSAL MAINS INPUT   | <b>DSP30-24</b>       | 38.00         |
| 15W POWER SUPPLY, UNIVERSAL MAINS INPUT   | <b>DPP15-24</b>       | 34.00         |
| 30W POWER SUPPLY, UNIVERSAL MAINS INPUT   | <b>DPP30-24</b>       | 38.00         |
| 50W POWER SUPPLY, UNIVERSAL MAINS INPUT   | <b>DPP50-24</b>       | 48.00         |
| 100W POWER SUPPLY, UNIVERSAL MAINS INPUT  | <b>DPP100-24</b>      | 68.00         |
| 240w POWER SUPPLY, UNIVERSAL MAINS INPUT  | <b>DPP240-24</b>      | 88.00         |
| 24VA POWER SUPPLY, MAINS INPUT  | <b>PSU-24</b>         | 121.00        |
| 24Vdc IN & OUT ISOLATED 15W DC-DC CONVERTER   | <b>DC-15</b>          | 121.00        |
| <b>POWER MEASUREMENT</b>  |                       |               |
| LOOP POWERED AC/DC CURRENT/VOLTAGE CONVERTER  | <b>420TWHL-AC</b>     | 80.00         |
| AC CURRENT/VOLTAGE SIGNAL CONVERTER   | <b>VCONHL-AC</b>      | 104.00        |
| MOULDED CASE CURRENT TRANSFORMER  | <b>MCTR 13 SERIES</b> | 8.00          |
| MOULDED CASE CURRENT TRANSFORMER  | <b>MCTR 14 SERIES</b> | 9.00          |
| MOULDED CASE CURRENT TRANSFORMER  | <b>MCTR 16 SERIES</b> | 10.00         |
| SPLIT CORE CURRENT TRANSFORMER  | <b>SCTR SERIES</b>    | 27.00         |
| STANDARD CURRENT TRANSMITTER MA OUTPUT  | <b>CTX SERIES</b>     | 105.00        |
| SPLIT CORE CURRENT TRANSMITTER MA OUTPUT  | <b>CTX SERIES</b>     | 135.00        |
| <b>PANEL METERS</b>   |                       |               |
| LOOP POWERED PANEL METER 4 DIGIT BRIGHT DISPLAY   | <b>PM1000</b>         | 59.00         |
| FACTORY SET mA A mV V INPUT   | <b>PM2000-HL</b>      | 99.00         |
| USER PROGRAMMABLE INPUT mA A mV V   | <b>PM2000-HL+</b>     | 129.00        |
| USER PROGRAMMABLE 3 OR 4 WIRE RTD INPUT   | <b>PM2000-RTD</b>     | 109.00        |
| USER PROGRAMMABLE THERMOCOUPLE INPUT  | <b>PM2000-TC</b>      | 99.00         |
| 115 Vac SUPPLY  | <b>-1</b>             | 0.00          |
| 230 Vac SUPPLY  | <b>-2</b>             | 0.00          |
| 24 Vdc SUPPLY   | <b>-6</b>             | 15.00         |
| DUAL RELAY ALARMS   | <b>-TRIP</b>          | 24.00         |
| 4-20 mA ANALOGUE OUTPUT   | <b>-RETX</b>          | 29.00         |
| 24Vdc TRANSMITTER SUPPLY  | <b>-TX</b>            | 15.00         |
| TOUCH SCREEN HMI WITH CONTROL FUNCTIONS   | <b>PM3000</b>         |               |
| LS INDUSTRIAL TOUCHSCREENS  | <b>Contact Sales</b>  |               |
| <b>REMOTE ASSET MONITORING AND DATA LOGGING</b>   |                       |               |
| PICOTRACK MINIATURE GSM/GPRS/GPS TRACKING DEVICE WITH ACCESSORIES   | <b>PICOTRACK</b>      | 299.00        |
| PICOTRACK MINIATURE GSM/GPRS/GPS TRACKING DEVICE STARTER PACK   | <b>PICOTRACK-PK</b>   | 798.00        |
| ST32 TELEMETRY GSM TELEMETRY DEVICE 2 DIGITAL INPUTS & OUTPUTS  | <b>ST32</b>           | 140.00        |
| TEXT ALERT DATA LOGGING / MONITORING UNIT WITH 6 ANALOG / DIGITAL INPUTS, 4 DIGITAL OUTPUTS SMS ALARMS, REMOTE ACCESS AND DATA LOGGING TRANSMISSION TO CENTRAL PC | <b>TEXT-ALERT-MON</b> | 475.00        |
| CENTRAL DATA LOGGING RECEPTION STATION WITH SMS RECEIVE UNIT, AERIAL AND PC DATA LOGGING SOFTWARE   | <b>DATA-MONITOR</b>   | 195.00        |
| DIN MOUNTING ALARMING & REMOTE CONTROL VIA SMS SCOM-100   | <b>SCOM-100</b>       | Contact Sales |
| SCOM-100 DIGITAL EXPANSION UNIT   | <b>GE-DIO-42</b>      |               |
| SCOM-100 ANALOGUE INPUT EXPANSION UNIT  | <b>GE-AI-4</b>        |               |
| GPRS MODEM FOR WEB SERVER LINK  | <b>RAM-PORT</b>       | 195.00        |



## INDUSTRIAL INTERFACE CUSTOMER PRICE LIST 2009

|   |                      |               |
|---|----------------------|---------------|
| <b>LS INDUSTRIAL RANGE OF PLC's</b>                       | <b>Contact Sales</b> |               |
| <b>TEMPERATURE MEASUREMENT</b>                            |                      |               |
| VARIOUS THERMOCOUPLE & RTD PROBES MULTIPLE OPTIONS        | <b>Contact Sales</b> |               |
| IN-HEAD TRANSMITTER WITH BUILT-IN DISPLAY                 | <b>UNIHEAD-DISP</b>  | 89.00         |
| UNIVERSAL INPUT ZIGBEE IN-HEAD TRANSMITTER                | <b>Z-HEAD</b>        | 95.00         |
| <b>PRESSURE AND LEVEL MEASUREMENT</b>                     |                      |               |
| ZIGBEE WIRELESS PRESSURE TRANSMITTER                      | <b>Z-PRESS</b>       | 195.00        |
| INDUSTRIAL RANGE OF PRESSURE TRANSMITTERS AND TRANSDUCERS | <b>IIP-01</b>        | Contact Sales |
| INDUSTRIAL RANGE OF LEVEL TRANSMITTERS AND TRANSDUCERS    | <b>IIL-01</b>        | "             |
| <b>LS INDUSTRIAL RANGE OF VARIABLE SPEED DRIVES</b>       | <b>Contact Sales</b> |               |
|   |                      |               |
|   |                      |               |