



Specifications

T/C Board for DL05 PLC

SETUP DL05 2nd Port per instructions below.

To config comm port on DL05 PLC DO:

in DirectSOFT slct **PLC** —>> **Setup** —>> **Setup Sec. Comm Port...**

THEN CONFIG DL05 2nd comm port as follows:

Protocol: DirectNET
 Time-Out: 800 ms
 RTS on delay time: 0 ms
 RTS off delay time: 0 ms
 Station Number: 4
 Baud rate: 9,600
 Stop bits: 1
 Parity: None
 Format: ASCII

DL05 Memory MAP:

T/C Channel	0	1	2	3	4	5
V - mem	2005	2004	2003	2002	2001	2000

Configure Board Per Table Below.

Input Type	Firmware Chip	Rgain (ohm)
"J"	TC6J700x	402
"K"	TC6K120x	499
"T"	TC6T385x	402
0-5v	AN6V05x	NONE
0-50mv	AN6MV50x	499

TB1 Designations*

1	Ch.0- (+ for ANALOG)
2	Ch.0+ (- for ANALOG)
3	Ch.1- (+ for ANALOG)
4	Ch.1+ (- for ANALOG)
5	Ch.2- (+ for ANALOG)
6	Ch.2+ (- for ANALOG)
7	Ch.3- (+ for ANALOG)
8	Ch.3+ (- for ANALOG)
9	Ch.4- (+ for ANALOG)
10	Ch.4+ (- for ANALOG)
11	Ch.5- (+ for ANALOG)
12	Ch.5+ (- for ANALOG)
13	power 10-12vac (or 10-15 vdc, any polarity)
14	power 10-12vac (or 10-15 vdc, any polarity)

***Please Note:** Reverse Polarity For The Analog Type

NOTE: Terminals 2, 4, 6, 8, 10 and 12 are connected internally.



Specifications

T/C Board for DL05 PLC

Number of channels:	2, 4, 6 (specify on order)
T/C type:	"J", "K" and "T"
Temperature range:	Type "J": 0–712°C. (in Deg x 1 or Deg x 10) Type "K": 20–1200°C. (in Deg x 1 or Deg x 10) Type "T": 0–385°C. (in Deg x 1 or Deg x 10) Volts: 0–5 volt (in Eng units x 100 or x 1000) MVolts: 0–50 mv (in Eng units x 10 or x 100))
Resolution:	1 degC or .2 degC (when JP3 is NOT installed) (NOTE: .2 degC is implied decimal point: 34.2 will be shown in "V" mem as 342)
Open T/C detection is as follows:	Bit 15 (MSB) of appropriate channel address is set (=1) (also indicates that Temperature is at (or above) full scale)
A/D converter:	12 bits
Total inaccuracy:	3°C over span
Calibration:	NONE
Operating Temperature:	0 to +60°C
Storage Temperature:	-40 to +70°C
Relative Humidity:	5% to 95% noncondensing

JUMPERS SETTINGS

JP1: 3-pos:	3. Type "K" or "T" 2. Type "J" NOTE for 2 and 3 above: SET JP2 to T/C pos. 1. Analog (0-5v or 0-50mv modes) NOTE: SET JP2 to ANALOG pos.
JP3-1:	degC or degF (JumperOFF = degF)
JP3-2:	x1 or x10 multiplier (JumperOFF = x10)
JP2: 2-pos:	1. TC mode 2. Analog Mode NOTE: when in ANALOG mode, polarity of input wires MUST be reversed.