

Operating Guide for the Technovision TC1

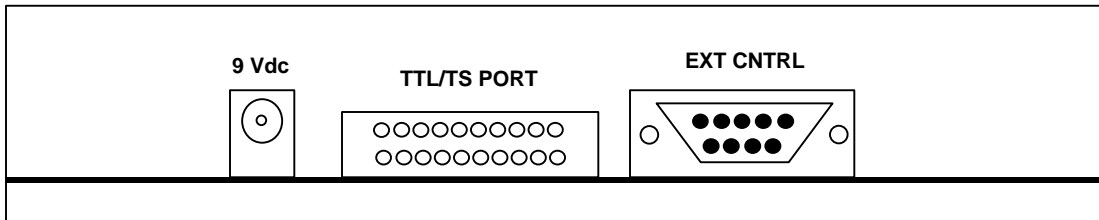
TI firmware (version 1.2)

General Information

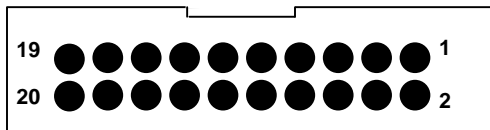
With firmware TI the TC1 will output TTL high signals on TTL1..TTL5. Whenever sensor (x) is activated, TTL(x) will go low. For example, activation of SENSOR 3 will set TTL3 LOW. In version 1.2, the TC1 will also transmit a single RS232 byte (9600,8,N,1) identifying which sensor is currently active. Sensor 1 has a value of 1, sensor 2 has the value of 2, sensor 3 has the value of 4, sensor 4 has the value of 8 and sensor 5 has the value of 16.

For example, if sensors 1 and 3 are active, TTL1 and TTL2 will go low and the TC1 will transmit the ASCII value 5 on the RS232 port.

Connectors



TTL/TS PORT (2x10 header)



Pin #	Description
1	VCC (5 VDC) OUT
2	GROUND
3	TTL1 (OUTPUT)
4	SENSOR 1 INPUT
5	TTL2 (OUTPUT)
6	GROUND
7	TTL3 (OUTPUT)
8	SENSOR 2 INPUT
9	TTL4 (OUTPUT)
10	GROUND
11	TTL5 (OUTPUT)
12	SENSOR 3 INPUT
13	TTL6 (NOT USED)
14	GROUND
15	TTL7 (NOT USED)
16	SENSOR 4 INPUT
17	TTL8 (NOT USED)
18	GROUND
19	GROUND
20	SENSOR 5 INPUT

EXT CNTRL PORT (DB9M)

Pin#	Description
1	NC
2	RX1
3	TX1 – RS232 OUTPUT
4	NC
5	RS232 Ground
6	NC
7	TX2
8	RX2
9	VCC (5 VDC)

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