

# Operating Guide for the Technovision TC1

## With TI(LOW) firmware

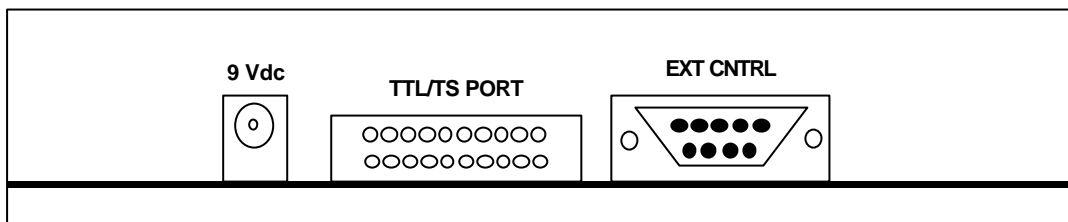
### General Information

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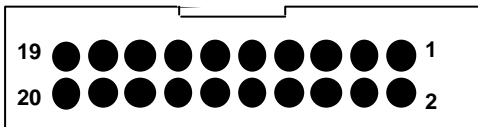
With firmware TI(LOW) the TC1 will output TTL high signals on TTL1..TTL5. Whenever sensor (x) is activated, TTL(x) will go low. For example, activation of SENSOR 3 will set TTL3 LOW. In version 1.2, the TC1 will also transmit a single RS232 byte (9600,8,N,1) identifying which sensor is currently active. 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	<b>TTL1 (OUTPUT)</b>
4	<b>SENSOR 1 INPUT</b>
5	<b>TTL2 (OUTPUT)</b>
6	GROUND
7	<b>TTL3 (OUTPUT)</b>
8	<b>SENSOR 2 INPUT</b>
9	<b>TTL4 (OUTPUT)</b>
10	GROUND
11	<b>TTL5 (OUTPUT)</b>
12	<b>SENSOR 3 INPUT</b>
13	TTL6 (NOT USED)
14	GROUND
15	TTL7 (NOT USED)
16	<b>SENSOR 4 INPUT</b>
17	TTL8 (NOT USED)
18	GROUND
19	GROUND
20	<b>SENSOR 5 INPUT</b>

**EXT CNTRL PORT (DB9M)**

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

**\*\*This port is not used with TI(LOW)**

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