

## LTR15: serial communication registers

The protocol used for communication is a subset of MODICON MODBUS 1 (MB1), functions 03 and 06 only are supported. Data are exchanged in ASCII mode with the following format:

Baudrate: 9600  
 Data bit: 7  
 Stop bit: 1  
 Parity: even

<u>DATA</u>	<u>TYPE</u>	<u>OFFSET</u>	<u>ADDRESS</u>
Thermostat Temp.	Signed Integer	00	0000 -R
Alarm status	Bit 1=ON	--	100.0 -R
Setup status	Bit 1=ON	--	100.1 -R
Calibration status	Bit 1=ON	--	100.2 -R
Autotuning status	Bit 1=ON	--	100.3 -R
On/Stand-by	Bit 1=Stand-by	--	100.4 -R
Probe failure alarm	Bit 1=ON	--	101.0 -R
Out 1	Bit 1=ON	--	102.0 -R
SCL <sup>(1)</sup>	Signed Integer	00	0200 -R/W
SPL	Signed Integer	00	0201 -R/W
SPH	Signed Integer	00	0202 -R/W
1SP	Signed Integer	00	0203 -R/W
1Y	Bit, 0=On/Off, 1=Pid	--	0204.1 -R/W
1HY	Signed Integer	00	0205 -R/W
1PB	Signed Integer	00	0206 -R/W
1IT	Signed Integer	00	0207 -R/W
1DT	Signed Integer	00	0208 -R/W
1AR	Signed Integer	00	0209 -R/W
1CT	Signed Integer	00	0210 -R/W
1PF	Bit, 1=0n	--	0204.0 -R/W
BAU	Bit, 0=non, 1=stby	--	0204.2 -R/W
SIM	Signed Integer	00	0211 -R/W
OS1	Signed Integer	00	0212 -R/W
ADR	Signed Integer	00	0213 -R/W

<sup>(1)</sup> Per SCL: 00=auto, 01=°C, 02=°F  
 R= read; W= write

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