

## Tech Spec Sheet: QUANTAR External Control Module

Product Housing	Exposed PCB Daughter Card Form Factor
Product Construction	FR4 four layer SMD PCB
Programming Requirements	EEPROM Flash and/or RS-232 Serial Control
Power Requirements	5 VDC < 450 mA
RX LED Indicator	D2 - Green SMD LED
TX LED Indicator	D3 - Amber SMD LED
DTMF Data Valid LED Indicator	D1 - Green SMD LED
Micro-Controller	Atmel Mega 328 PB SMD
DTMF Decode Package	Holtek HT9170D - SMD
Beep Audio Gain Adjust	Variable - R17 Trimmer Resistor
DTMF Data Valid Audio Gain Adjust	Variable - R12 Trimmer Resistor
Connector 1	50-pin SCSI through hole connector
Connector 2	RJ-45
Contact Finish Connector 1	Phosphor- Bronze
Contact Finish Connector 2	Phosphor- Bronze
Material Finish - PCB	Green Solder Mask - FR4 4 layer Printed Circuit Board
Dimensions (L, W, H)	3.33" x 1.40" x 0.775"
Product Weight (oz)	5
Warranty	1 year from date of manufacture parts, labor and manufacturing defects
Indoor/Outdoor	Indoor