

V0p2 Hardware Testing

REV7/DORM1 Valve

Part	Procedure	Expected result
LED	Connect power	Should light up for a few seconds
Light Sensor	Connect to serial and check stat "L"	Should be high (>180) in light and low (<30) in darkness
SW1	Press and hold for several seconds	LED should flash once, twice or 3 times
SW2		LED should light up for a few seconds
SW3		LED should light up for a few seconds
Motor	Connect power and connect motor, multimeter or scope to J3(?)	Motor should be pulsed or multimeter/scope should show regular pulses of + or - Vcc
SHT21	Connect to serial and check stats "T" and "H"	Should give reasonable values
Potentiometer	Connect to serial and rotate pot from one end to the other	Should see set-points change (Snn n nn)
RFM23B		
Encoder		

REV10

Part	Procedure	Expected result
LED	Connect power	Should light up for a few seconds
Light Sensor	Connect to serial and check stat "L"	Should be high (>180) in light and low (<30) in darkness
Boiler heat call		Heat call LED should light up and there should be an audible click.
TM112	Connect to serial and check stat "T"	Should give reasonable value
SMPS	Connect terminal blocks closest to edge of board to mains USUAL "CAUTION THIS MIGHT KILL YOU" STUFF	Board should function correctly
RFM23B		
SIM900	Connect power	

REV11

Part	Procedure	Expected result
Light Sensor	Connect to serial and check stat "L"	Should be high (>180) in light and low (<30) in darkness
SHT21	Connect to serial and check stats "T" and "H"	Should give reasonable values
RFM23B		