

TECHNICAL DESCRIPTION for RF1253

A. Circuit Operation

Wired or wireless operation:

- (1) Jumper with short circuit: for wired operation, relay dry contact output
- (2) Jumper with open circuit: for wireless operation, RF 318MHz AM modulation output

B. Component Description

- (1) IC MC68HC908QY4: microcontroller, center unit for data managing
- (2) IC 24LC01B: memory for data saved
- (3) IC MC145026: encoder for AM modulation
- (4) IC MC33063: step up/down switching regulator
- (5) IC XC62FP3002: 3V positive voltage regulator
- (6) TRANSISTOR 2SC3356: RF modulator
- (7) SAW 318MHz: 318 MHz oscillator