

PowerTag Energy Sensors (A9MEM1520, A9MEM1521, A9MEM1522, A9MEM1540, A9MEM1541, and A9MEM1542)

Overview

The PowerTag energy sensors are the wireless devices that are mounted upstream or downstream on Acti 9 and Multi 9 circuit breakers.

Acti 9 Smartlink SI B (Ethernet) allocates dynamically, a slave number 150 through 169 for each of the 20 wireless devices (up to 20 wireless devices) that could be connected to the Acti 9 Smartlink SI B (Ethernet).

Description	Address ⁽¹⁾	No. of Register(s)	Type	Action	Values and Meanings
Basic configuration counters					
Asset name	31000	10	ASCII	RW	–
Circuit ID	31010	3	ASCII	RW	–
Usage attribute	31013	1	ASCII	RW	–
Phase sequence	31014	1	ENUM	RW	–
Mounting position	31015	1	ENUM	RW	0 = Null 1 = Up 1 = down
Breaker rating	31017	1	UINT	RW	–
Advanced configuration counters					
Product type	31024	1	ENUM	R	41 = PowerTag 1P 42 = PowerTag 1P + N up 43 = PowerTag 1P + N down 44 = PowerTag 3P 45 = PowerTag 3P + N up 46 = PowerTag 3P + N down
Consumption counters					
Current	2999	6	Float32	R	–
Voltage	3019	12	Float32	R	–
Power	3053	8	Float32	R	–
Power factor	3083	2	Float32	R	–
Energy	3203	12	INT64	R	–
Circuit diagnostic counters					
Alarm status	3299	6	ENUM	R	0 = Alarm OFF. 1 = Alarm ON. Bit 0 = Voltage phase loss. Bit 1 = Current overload.
RMS current on phase A, phase B, and phase C at voltage loss	3302	6	Float32	R	–

⁽¹⁾ Modbus register = Modbus address + 1.