

5.0 Specifications

Table 4. SmaRT BU-xH16AF Specifications

Item	Description	
Power	V _{in}	+7 to +28 VDC
Radio (disabled)	Frequency	906–924 MHz 2425–2480 MHz
	RF Power	10 mW (max.)
	License	License-Free
	Modulation	Channel-Hopping DSSS
	Antenna	Internal or External (option)
Environment	Operating Temp	–20° C to 55° C (–4° F to 131° F)
	Storage Temp	–40° C to 85° C (–40° F to 185° F)
	Humidity	0 to 100%
Indicators (12)	Unmarked	V _{in} polarity indicator; polarity reversed when lit solid
	+V1 – +V3	OK when active solid
	1	Health – OK when blinking 1x/sec
	2	RF TX – Flashes when transmitting
	3	RF RX – Flashes when receiving
	4	CAN TX – Flashes when transmitting
	5	CAN RX – Flashes when receiving
	6	Output – OK when blinking 1x/sec
	7	Input – OK when blinking 1x/sec
8	Error – Error occurring when lit solid	
Enclosure	Dimensions	mm: 133 x 118 x 36 inch: 5.25 x 4.7 x 1.4
	Durability	High Impact Polymer
	Mounting Holes	mm: 7.4 dia. 102 center-to-center Inch: 0.29 dia. 4.00 center-to-center
Outputs/Inputs	Digital	Eight FET—Open Drain
	Analog	Eight 0–10 VDC, 4–20 mA (FET only)
	Current	4 A per channel 15 A Max. @ 55° C
Umbilical (option)	CAN Bus	SAE J1939
	CAN Termination	3.3 k Ω (internal)

 **Note:** BU-xH16AF-CN units are internally terminated at 3.3 k Ω . Termination can be removed at the factory.