

GENERAL INFORMATION

- The AMPIRE PS-CAN module is designed for translating digital signals transmitted over CAN-Bus. The digital signals are interpreted and converted into analog signals that can drive inputs of the parking sensors.

LOGICAL FUNCTIONS AND DESCRIPTION FOR THE OUTPUTS

No.	OUTPUT NAME	CONNECTOR PIN	DESCRIPTION
1	CAN-H	1	CAN-Bus input H / CANS 1-wire
2	CAN-L	2	CAN-Bus input L
3	+12V	3	+12V/10mA, main power positive terminal
4	GROUND	4	GROUND, main power negative terminal
5	+12V-PARK	5	Output which set +12V/500mA if speed is under 10km/h and ignition is on.
6	SPEAKER-OFF	6	Output which set MASS / 100mA with latency of 2 sec after start of output „+12V-PARK”. Output is used to control module to eliminate acoustic signal while switching on parking sensor.
7	-	7	Not used
8	-	8	Not used
9	-	9	Not used
10	-	10	Not used

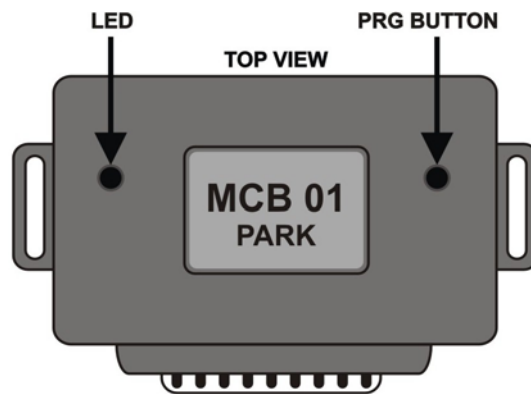
TECHNICAL DATA

No.	PARAMETER	VALUE	UNIT	REMARKS
1	NOMINAL POWER VOLTAGE	12	V	8 through 16V
2	TYPICAL CURRENT CONSUMPTION	8	mA	in neutral status
3	AMBIENT TEMPERATURE	-40..85	°C	
4	HUMIDITY	60	%	
5	MAX OUTPUT LOAD: PIN: 2,3,4,5,6,11,12,13,14 PIN: 10	10 300	mA mA	
6	SUPPORTED CAN-BUS DATA RATE	33-500	kBit/s	
7	DIMENSIONS	60/40/20	mm	width / depth / height
8	WEIGHT	30	g	Module weight without harness

MODULE SETTING CONFIGURATION

SELECTING CAN-BUS INTERFACE PROGRAM

- Press and hold the PRG button for 5sec. until the LED goes on. Then within 2sec. release the button and LED will go out. After this procedure, the module is in the programming mode.
- The LED starts flashing sequentially. The number of flashes represents the number of the program. A two-digit number defines the program number; each digit can range from one through nine. The first and the second digit of the program number are selected by a single momentary push of the PRG button after required number of LED flashes. Each digit must be selected separately.
- After confirmation of the second digit choice, the program is selected for saving in the memory.
Indication of proper program selection: LED – three flashes
If the PRG button is not pressed within 15sec. the programming mode is abandoned.
Program choice error is indicated with a 3sec. long LED flash.



INSTALLATION SCHEMATICS OF MCB01-PARK MODULE

