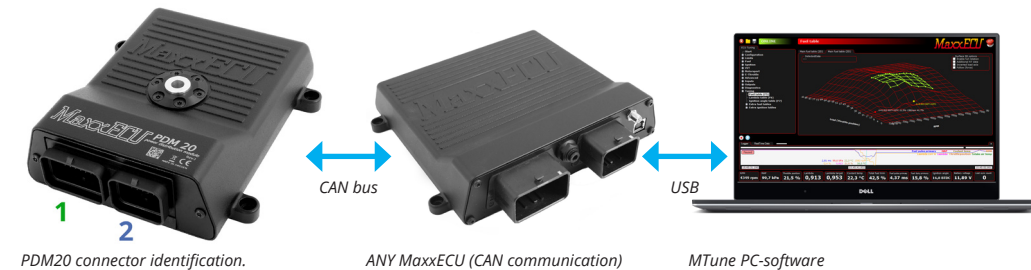


PDM20 outputs, max 230A

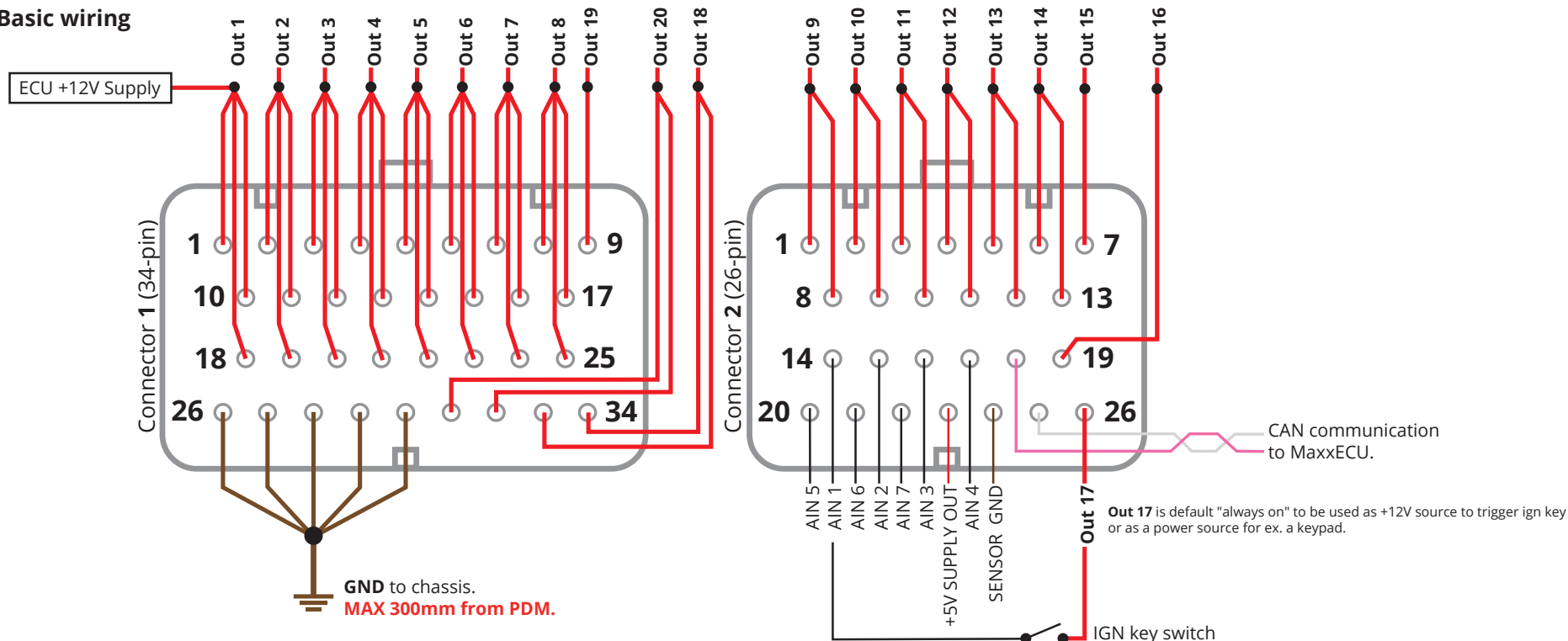
Function	Max current	Connector	Pin pos	Type	Note
OUT 1	25A	1 (34-pin)	1, 10, 18	+12V output	Default: ECU power.
OUT 2	25A	1 (34-pin)	2, 11, 19	+12V output	
OUT 3	25A	1 (34-pin)	3, 12, 20	H-bridge output (+12V or GND)	
OUT 4	25A	1 (34-pin)	4, 13, 21	H-bridge output (+12V or GND)	
OUT 5	25A	1 (34-pin)	5, 14, 22	H-bridge output (+12V or GND)	
OUT 6	25A	1 (34-pin)	6, 15, 23	H-bridge output (+12V or GND)	
OUT 7	25A	1 (34-pin)	7, 16, 24	H-bridge output (+12V or GND)	
OUT 8	25A	1 (34-pin)	8, 17, 25	H-bridge output (+12V or GND)	
OUT 9	15A	2 (26-pin)	1, 8	+12V output	
OUT 10	15A	2 (26-pin)	2, 9	+12V output	
OUT 11	15A	2 (26-pin)	3, 10	+12V output	
OUT 12	15A	2 (26-pin)	4, 11	+12V output	
OUT 13	15A	2 (26-pin)	5, 12	+12V output	
OUT 14	15A	2 (26-pin)	6, 13	+12V output	
OUT 15	8A	2 (26-pin)	7	+12V output	
OUT 16	8A	2 (26-pin)	19	+12V output	
OUT 17	8A	2 (26-pin)	26	+12V output	Default: "always on" for ex ign key or keypad power supply.
OUT 18	15A	1 (34-pin)	33, 34	+12V output	
OUT 19	8A	1 (34-pin)	9	+12V output	
OUT 20	15A	1 (34-pin)	31, 32	+12V output	
GND		1 (34-pin)	26, 27, 28, 29, 30	PDM GROUND POINTS	Wire ALL pins to CHASSIS GND.

Inputs and sensors

Function	Connector	Pin pos	Note
AIN 1 (0-24V)	2 (26-pin)	14	Default: Ignition KEY_IN.
AIN 2 (0-24V)	2 (26-pin)	15	
AIN 3 (0-24V)	2 (26-pin)	16	
AIN 4 (0-24V)	2 (26-pin)	17	
AIN 5 (0-24V)	2 (26-pin)	20	
AIN 6 (0-24V)	2 (26-pin)	21	
AIN 7 (0-24V)	2 (26-pin)	22	
CAN L	2 (26-pin)	18	
CAN H	2 (26-pin)	25	
+5V SENSOR SUPPLY	2 (26-pin)	23	Separated from ECU +5V supply.
SENSOR GND	2 (26-pin)	24	Separated from ECU Sensor GND.

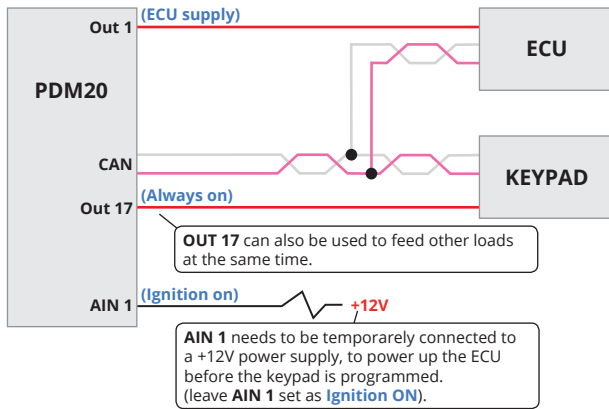


Basic wiring

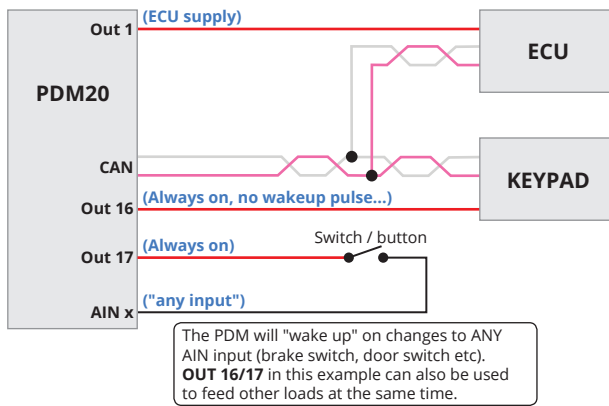


Keypad

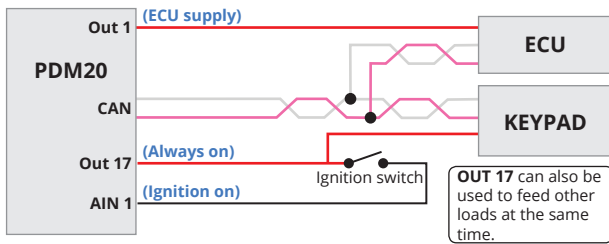
Keypad as ignition on/off, no low power mode support



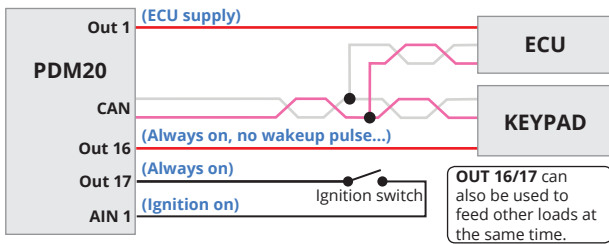
Keypad as ignition on/off, low power mode support



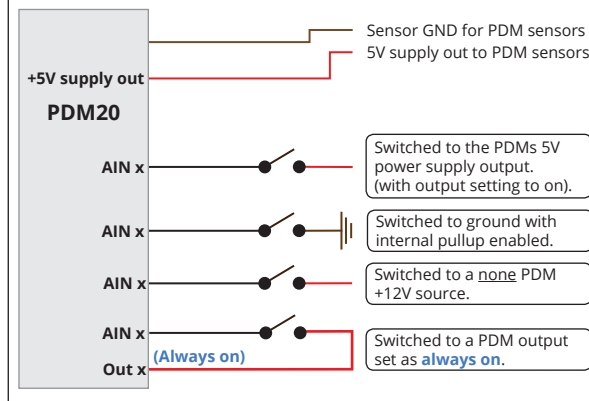
Keypad and ignition switch on/off, no low power mode



Keypad and ignition switch, low power mode support



Analog input

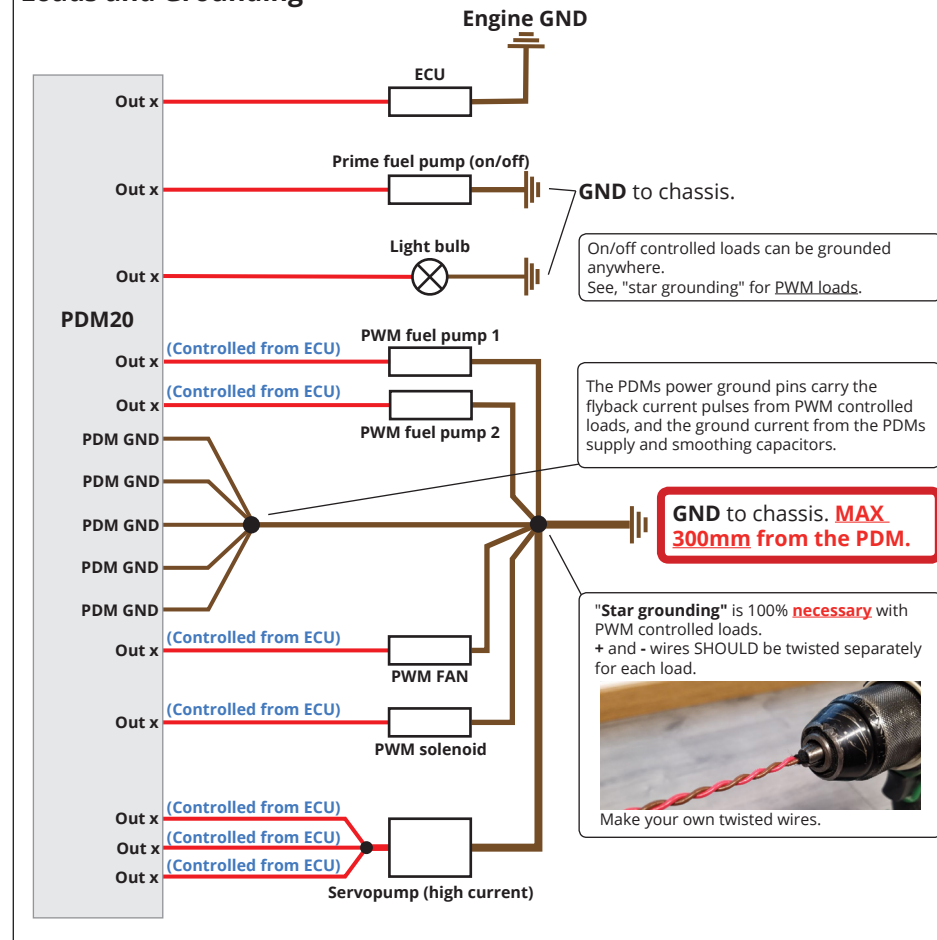


Cable size and current rating

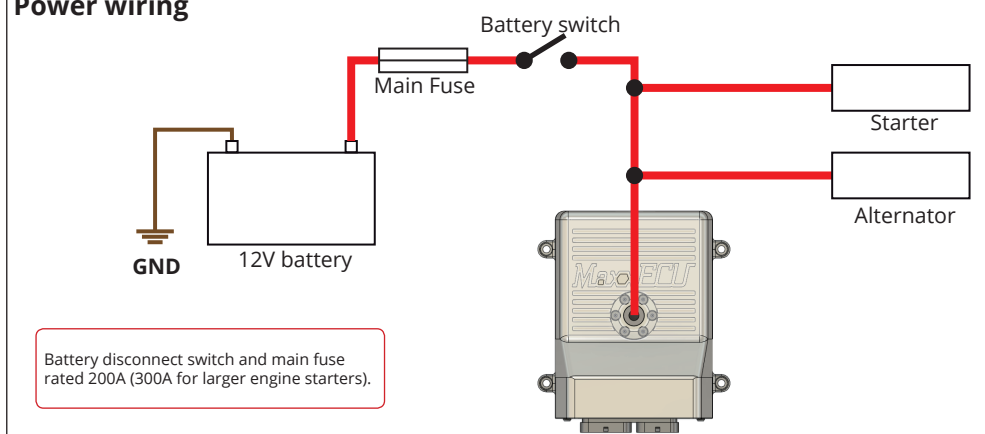
Cable area (mm ²)	Cable area (AWG)	Thin-wall (TXL, R2)	Regular wire (RK, RKUB etc)
0.5	20	11A	5A
0.75		14A	7.5A
1	17	16A	10A
1.5		21A	15A
2.5	13	29A	25A
4	11	39A	30A
6		50A	40A
8	8	60A	50A
10	7	70A	60A
16	5	90A	80A

*Cables operating at higher ambient temperatures (in engine looms etc) and in looms with many heavily loaded cables need larger areas than indicated above.

Loads and Grounding



Power wiring



Notes

IN x / OUT x in the above examples, means any input/output or group of outputs.

If using 5V reference from PDM you MUST always use the PDM sensor GND.

DO NOT MIX 5V reference and/or Sensor GND with the ECU.