

E1261

6m pre-wired harness for automatic opening detection system

Purpose

This harness is compatible with all types of Atlas Connect DPO (Entry Protection Device) units in order to simplify the connection of 1 to 3 functions in the cabin (Buzzer and Lights) within the framework of the notice in the JORF n°0172 of 14 July 2020 (text n°80).



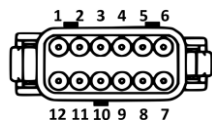
Being pre-wired +VDC on the relay inputs, this harness cannot be used directly on a bodywork box requiring a ground to activate functionalities. To do this see part number E2092.

Features of the electronic board

The Atlas Connect type DPO (Entry Protection Device) consists of 2 x 12-pin connectors with the following inputs/outputs:

GREEN Connector		
Pin	Atlas Connect DPO	
V6	+VCC	Power supply +12V/24V
V5	GND	Ground
V11	R1 IN	Relay 1 input
V10	R1 NO	Relay output 1 NO
V1	R1 NF	Relay output 1 NC
V2	R2 IN	Relay input 2
V12	R2 NO	Relay output 2 NO
V3	R2 NF	Relay output 2 NC
V8	R3 IN	Relay input 3
V7	R3 NO	Relay output 3 NO
V9	R3 NF	Relay output 3 NC

BROWN Connector



Pin	Atlas Connect DPO	
M10	E1	Input 1 (dry contact)
M11	E2	Input 2 (dry contact)
M12	E3	Input 3 (dry contact)
M9	GND Out	Transferred ground

Pre-wiring the harness

This harness is pre-wired as follows:

Atlas		Harness
V6	+VCC	+VDC (12/24V power supply)
V5	GND	GND (ground)
V11	R1 IN	+VDC
V10	R1 NO	R1 NO (+ Buzzer)
V2	R2 IN	+VCC (+Signal)
V12	R2 NO	R2 NO
V8	R3 IN	+VDC
V7	R3 NO	R3 NO (+Light)
V9	R3 NF	R3 NC (+ Sight glass if BAE)
M10	E1	E1 (power take-off)
M11	E2	Bridged to GND Out

Note:

Unlike the previous generation of side panel harnesses, only the positives are wired out. All buzzer and warning light grounds should be connected to a vehicle ground directly in the dashboard. R3 NF has been added when using a 3-function kit with an override bar (see note below).

Harness assembly

The **12/24V +VDC power supply** of the harness must be connected to a + after contact on the vehicle.

Each of the relay outputs will be used to power buzzer and desired lights.

The **PTO input** should be connected to the vehicle so that a ground is sent when the hydraulic is activated.

Minimum mounting **example** with buzzer and warning light using E1261 harness:

Harness outputs	Vehicle
Red / +VCC	+24V
Black / GND	Mass
R1 NO	+ Buzzer
	- Buzzer to vehicle ground
R2 NO	+ Light
	- Light to vehicle ground
E1	Hydraulic status

Notes:

In the case of a third indicator used on a Backstop with a 3-function panel kit, it is possible to invert the indicator lighting logic by using the R3 NC output instead of R3 NO.



We recommend adding a fuse to the power supply of the harness depending on the elements connected to the output.

