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- LED illumination.
- Vandal Resistant model available with ring and centre style illumination.
- Epoxy filled electronics for enhanced moisture & vibration protection.
- Reverse polarity protected.
- Flashing models available in Dome series.
- Dome models environmentally sealed IP67.
- HMAC001-24 incorporates warning buzzer.
- Variety of colours.

Body:

Vandal Resistant

Polymer

Light Source:

Stainless Steel LED

Ingress Protection:

IP65 (face only)

Operating Temperature: Approvals:

Dome Vandal Resistant

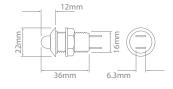
-24°C to 50°C CE, RoHS

PL109









LED Pilot Lamps - Wide View - Dome

Voltage	Size (mm)	Max. Panel Thickness (mm)	Туре	Red	Green	Amber	Blue
12-24	17	29	Continuous	PL 109	PL 110	PL111	PL 112
12-24	17	29	Flashing	PL 393	PL 403	PL 394	_

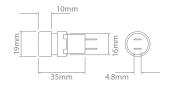
LR01 Load resistor maybe required when used as an alternator warning light.











LED Pilot Lamps - Wide View

Voltage Size (mm) Max. Panel Thickness (mm) Red Blue White Green 12-24 **BA16DS-RED BA16DS-GRN BA16DS-AMB BA16DS-BLU BA16DS-WHT**

LR01 Load resistor maybe required when used as an alternator warning light.





LED Pilot Lamps - Vandal Resistant

\/alka=a	Size	Max. Panel Thickness	R	Red Green		Amber		Blue		
Voltage	(mm)	(mm)	Ring	Centre	Ring	Centre	Ring	Centre	Ring	Centre
12-24	12	7	_	P12-CR	_	P12-CG	_	P12-CA	_	P12-CB
12-24	19	7	P19-RR	P19-CR	P19-RG	P19-CG	P19-RA	P19-CA	P19-RB	P19-CB

LR01 Load resistor maybe required when used as an alternator warning light.







LED Pilot Lamps - Load Resistor

Part No. Description

LR01 Pre-wired 5W load resistor



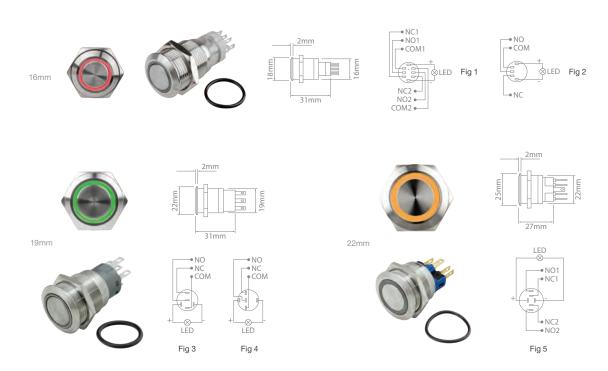


- Vandal resistant momentary or latching switches.
- Black anodised stainless steel models available.
- Laser etching available for anodised models.
- LED illumination.
- Highly impact resistant.
- Variety of illumination colours available
- Environmentally sealed IP65 (face only).

Current Rating:

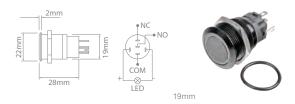
Contacts:
Body:
Ingress Protection:
Approvals:

2A High Current 20A Silver Alloy Stainless Steel IP65 (face only) CE, RoHS



Vand	dal Resi	stant Swi	tches						
Size (mm)	Voltage	Max. Panel Thickness (mm)	Function	Contact Type	Fig	Red	Illumina Green	tion Amber	Blue
16	12-24	10	Momentary	N/O & N/C*	1	L16-RR-DC	_	_	_
16	12–24	10	Momentary	N/O & N/C	2	L16-RR	L16- RG	L16-RA	L16-RB
19	12–24	10	Momentary	N/O & N/C	3	L19-RR	L19-RG	L19-RA	L19-RB
19	12-24	10	Momentary	N/O & N/C	4	L19TF-RR	-	_	L19TF-RB
19	12–24	10	Latching	N/O & N/C	4	_	_	_	L19TF-RB-L
22	12–24	8	Momentary	D/M & D/B	5	L22-RR	L22-RG	L22-RA	L22-RB
*L16-RR-	DC is Double P	ole.							

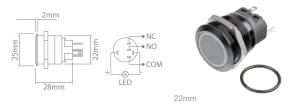




22

12-24

10





Vandal Resistant Switches – Anodised Size (mm) Voltage Max. Panel Thickness (mm) Contact Type Blue Illumination Momentary Latching 19 12–24 10 N/O & N/C L19TAF-RB L19TAF-RB-L

N/O & N/C



L22TAF-RB

L22TAF-RB-L

Vandal Resistant Switches - High Current Size (mm) Max. Panel Thickness (mm) Red Illumination Contact Type 12V 24V N/O & N/C L22HD-RL24V 22 13 Latching L22HD-RL12V 22 13 Momentary N/O & N/C L22HD-RM12V L22HD-RM24V



Vandal Resistant Switches - Accessory

Part No. Description Suits

L16-PLUG Push on plug with 15cm fly lead 16mm



12V 24V



- Heavy & standard duty models available.
- Multi-voltage.
- Blade and screw terminal types available.
- Protective boot on 90030 model.



Voltage: Circuitry: Contacts: Body: 12–24V SPST Silver Alloy Polymer Die-cast

90030







Push Bu	itton					
Part No.	Current Rating (A) @ 12V	Contact Type	Action	Max. Panel Thickness (mm)	Terminal Type	
C936	10	N/O	Off – Mom.On	5	Blade	
C936/K	10	N/O	Off – Mom.On	5	Blade	
90030	35	N/O	Off – Mom.On	8	Screw	



- Suits 2016 on (N80 models) Toyota Hi-Lux switch cut-outs.
- Connector supplied.
- LED Function & Location illumination.



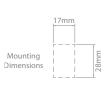


Voltage: Current Rating: Actuation: Illumination: 12V 3A Single Pole Blue













Hi-Lux S	eries – Normally Op	en Conta	act			
Action	Wiring Diagram	Illumination	Symbol	Text	Part No.	
		Blue	_	_	RHL163-00	
	مون	Blue		DRIVING LIGHT	RHL163-09	
OFF ON		Blue		BEACON	RHL163-19	
	+ +	Blue		WORK LAMP	RHL163-22	
		Blue	••••••	LIGHTBAR	RHL163-79	
OFF Mom.ON	0 I	Blue	- +	BATTERY LINK	RHL168-78	



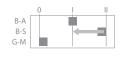
Push Button — Hi-Lux

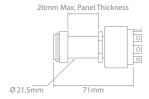


- Bosch[™] & Lucas[™] style heat start switches.
- Die-cast & polymer models available.
- Marine version available IGS-03.
- Multi-voltage.
- IGS-08 environmentally sealed IP67.

Voltage: Ingress Protection: 6–36V IP65 IGS-08 IP67







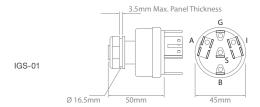


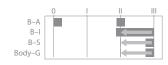
Ignit	ion –	IVI	arine

Terminal ID Part No. Key Positions Terminal Size (mm) Terminal Type Ground Battery Magneto Start Ignition **IGS-**03 Off - Ignition - Start 4 Screw G В S Α

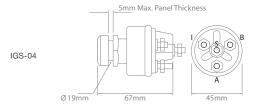
Terminals G and M are bridged when key is in 'Off' position.





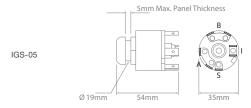






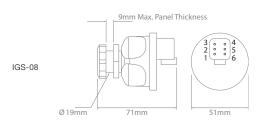
















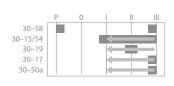
Ignition – Universal

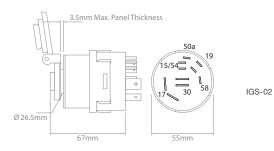
Part No.	Key Positions	Terminal Size (mm)	Terminal Type	0	1	Terminal I		A	
				Ground	Ignition	Start	Battery	Accessory	
IGS-01	Accessory - Off - Ignition - Start	6.3	Blade	G	I	S	В	Α	
IGS-04	Accessory - Off - Ignition - Start	5	Stud	_	1	S	В	Α	
IGS-05	Accessory - Off - Ignition - Start	6.3	Blade	_	I	S	В	Α	
IGS-08	Accessory - Off - Ignition - Start*	_	DEUTSCH	_	4/5	2	1/6	3	

^{*}To re-engage 'Start' position, key must be cycled through 'Off' first. This feature prevents the starter motor clashing with running engine.

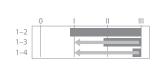


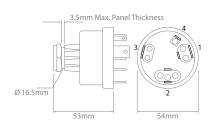












IGS-07

Ignition - Preheat

Part No.	Kev Positions	Terminal Size (mm)	Terminal Type		Te	erminal ID		
Fait No.	Rey Positions	reminal Size (min)	Terminal Type	Start	Preheat	Ignition	Battery	Park
IGS-02	Park - Off - Ignition - Preheat - Start	6.3 & 9.4	Blade	50a, 17	19	15/54	30	58
IGS-07	Off - Ignition - Preheat - Start	6.3 & 9.4	Blade	4	3	2	1	_

 $\label{prop:control} \mbox{`Park'-this key position provides power for use on auxiliary circuits while vehicle is not operating. i.e. external park lights etc.}$







IGS-02/BOOT



IGS-07/KEY

Ignition - Preheat - Accessories

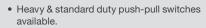
Part No. Description Suits

IGS-02/KEY Spare key IGS-02

IGS-02/BOOT Protective boot IGS-02

IGS-07/KEY Spare key IGS-07



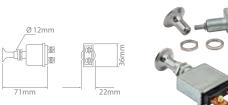


- PPS-02 supplied with 4 coloured caps.
- PPS-02 can be illuminated, bulb not supplied.
- S5145 ideal for bonnet & boot alarm applications.



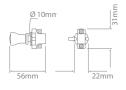
Contacts: Body:

PPS-02, TS02 PPS-01 Silver Alloy Polymer Die-cast

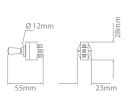






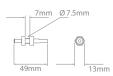


PPS-02













General

t Rating (A) Action Max	c. Panel Thickness (mm) Travel Dist	tance (mm)
75 Off – On	10 -	_
20 Off – On	2.5 -	_
10 On – Off – On	2.5 -	_
5 On – Off	7	8
	 75 Off – On 20 Off – On 10 On – Off – On 	75 Off – On 10 – 20 Off – On 2.5 – 10 On – Off – On 2.5 –

*Bulb not included with PPS-02. Bulb type – BA7S.





- THS822A environmentally sealed IP65.
- HC1 Pendant Control configurable to personal requirements.
- Engraved face plate for the HC1 Pendant Control on request.
- Hoist Push Button series used for indirect switching.

Voltage : Body :

Ingress Protection:

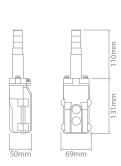
Hoist HC1 THS822A 12–24V ABS Polyurethane IP65

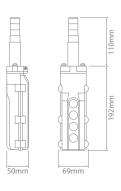


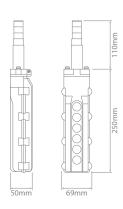


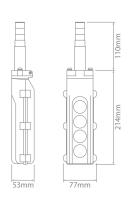












THS61 THS62 THS63 THS822A

Hoist Push Button

Part No.

Description

Current Rating (A) @ 250V

THS61

2 button hoist control – Single Speed. Only for relay solenoid control

5

THS62

4 button hoist control – Single Speed. Only for relay solenoid control

5

THS63

6 button hoist control – Single Speed. Only for relay solenoid control

5

THS822A

Weatherproof 4 button hoist control – Single Speed

10





Pendant Control

Part No. Description

HC1 Hand controller bodyFP Face plate – blank

FP2 Face plate – 2 hole. 8mm switch hole

FP3 Face plate – 3 hole. 8mm switch hole

CG16SR Strain relief adaptor – 5mm to 10mm. IP68

Requires 7 x 8mm screws for face plate. Engraved face plates available on request.



Suzi C	oils							
Part No.	No. of Cores	Cores x mm ²	Plug	Working Length (m)	Closed Coil Ø (mm)	Tails	Tail Lengths (mm)	Sheathing
RC013	7	7 x 0.5	_	3	20	2 x Tangent	2 x 200	Polyurethane
RC014	7	7 x 0.5	_	2	20	2 x Tangent	2 x 200	Polyurethane
RC031	7	7 x 1.5	_	8	25	2 x Tangent	2 x 200	Polyurethane
RC032	7	1 x 2, 6 x 1	_	3	28	2 x Tangent	2 x 200	Polyurethane
RC022	7	7 x 0.75	1 x N12	7.2	29	2 x Tangent	2 x 200	Hytrel







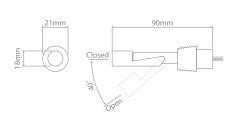
- Ideal for tank level applications with most commonly used liquids.
- Compact size.
- AC & DC compatible.
- Can be operated as N/C or N/O dependant on fitting orientation.

Current Rating : Body : Approvals :

Operating Temperature :

1A Nylon RoHS -20°C to 75°C





Side Mount Level Switch

Part No. Contact Type Switching Angle

12-0030 N/O & N/C 40°

Can operate as N/C or N/O dependant on fitting orientation.

Mounting Size
1/2" NPT

Switching Voltage AC/DC

300

Cable Length (mm)



- 15° switching angle.
- Compact size.
- AC & DC compatible.
- Can be operated as N/C or N/O dependant on fitting orientation.
- Environmentally sealed IP65.





Current Rating : Body : Ingress Protection : Approvals : Operating Temperature : 0.25A ABS IP65 RoHS -20°C to 70°C





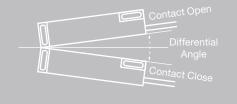
Tilt Switch

Differential Angle

The tilt switch operates when tilted from the horizontal position. The switch movement required to cause a contact change (e.g. from or to on) is called the differential angle.

It is very important when designing a tilt switch to allow for the differential angle and to understand that, when in the horizontal position, the switch contact may be open or closed.

This switch module operates with the housing in any orientation.









Part No.

Contact Type

Max Differential Angle Switching Voltage AC/DC

Cable Length (mm)

12-1039

N/O & N/C

15°

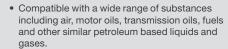
60

300

Can operate as N/C or N/O dependant on fitting orientation.







- Water compatible model on request.
- Single Pole Change Over.
- Robust, compact design suitable for harsh environments.
- Tolerates high pressure spikes.
- Supplied with 6.3mm blade terminals.

Voltage: Circuitry: 6-24V SPCO Proof Pressure : 500 psi Current Rating: 8A @ 12V #8-32 screws & 6.3mm blade Terminals: Connection: 1/8 – 27 NPT Male Brass Base: Body: Glass Reinforced Polyester
Polyimide Film Diaphragm: Silver Alloy, Gold-plated -40°C to 120°C CE, UL Contact: Operating Temperature : Approvals:





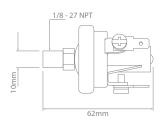








Shown with optional protective boot





Pressure						
Part No.	Switching	Pressure	Maximum Ope	rating Pressure	Burst P	ressure
Fait No.	psi	kPa	psi	kPa	psi	kPa
PS3-4	4	27	150	1034	750	5171
PS3-1 0	10	69	150	1034	750	5171
PS3- 15	15	103	150	1034	750	5171
PS3- 20	20	137	150	1034	750	5171
PS3 -30	30	206	250	1723	1250	8618
PS3- 40	40	275	250	1723	1250	8618
PS3 -50	50	344	250	1723	1250	8618
PS3 -60	60	413	250	1723	1250	8618
PS3-BOOT	Protective I	Boot				



Laser Engraving

Permanently engrave your company's logo on to almost any surface.

Laser engraving is a process where the laser beam physically removes the surface of the material to expose a cavity that reveals an image at eye level.

- Ideal for applications where the mark must be permanent e.g. anti-counterfeiting, serialisation.
- Mark any shape including text and barcodes.
- Incredible precision.
- Most metals and many non-metal materials.

Applications:







Promotional Symbols/ Icons



Primary GTIN Barcodes



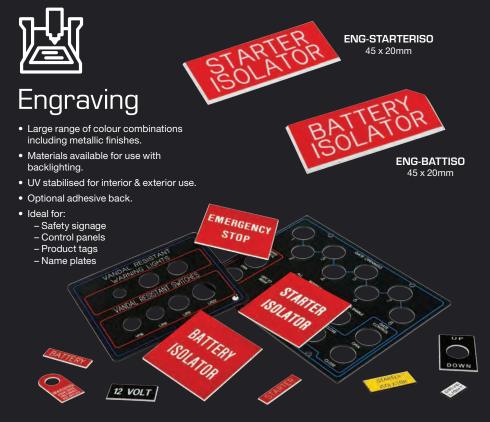
Two Dimensional Codes







IONNIC Services





ENG-STARTER 40 x 10mm



ENG-BATTERY 40 x 10mm

Custom Engraving

Custom engraving is available for the creation of control panels and name plates up to a maximum size of 500mm x 380mm.

Choose from a large range of colours with some materials suitable for use with backlighting.

For further information ask your local reseller or enquire online at ionnic.com.