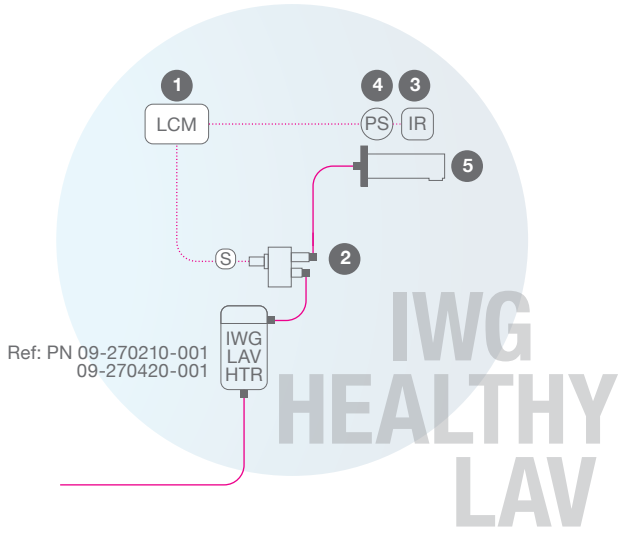
IWG HEALTHY LAV

INTERNATIONAL Water·Guard

International Water-Guard (IWG) Healthy Lav™ Touchless Faucet Kit

The Touchless Faucet Kit is part of IWG's innovative Healthy Lav™ offering – a simple and effective way of increasing on-board lavatory hygiene, enhancing passenger confidence and comfort. The Touchless Faucet Kit comprises the highlighted components and allows for touchless operation of the lavatory faucet.

IWG's Healthy Lav touchless products have been designed to be applicable to multiple platforms with ease of integration as a core principle. All the touchless components are powered by the IWG Lavatory Control Module (LCM) meaning that only one new power input into the lavatory is required. Also, if suitably located, existing panel cut-outs can be reused. This makes these products ideal for retrofit as well as line-fit applications.



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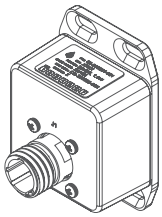
1 Lavatory Control Module (LCM)

P/N: 09-390301-001

The LCM takes signals from the faucet and flush IR sensors and piezo switches and activates the respective solenoid valves.

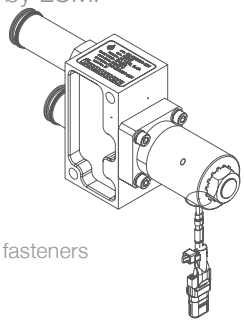


Envelope: 50.5 x 77.0 x 50.0 mm (1.99 x 3.03 x 1.97 in)
Weight: 0.23 kg (0.5 lbs)
Hydraulic: n/a
Electrical: D38999 / 20FB35AN connector 28 VDC, 1.4 W
Integration: attaches structure using 4 fasteners

2 Faucet Control Valve (FCV)

P/N: 09-630601-001

Highly reliable and durable solenoid valve that is freeze resistant. The FCV is powered by LCM.

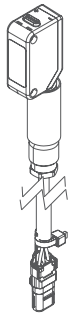


Envelope: 31.0 x 65.3 x 128.3 mm (1.22 x 2.57 x 5.05 in)
Weight: 0.73 kg (1.6 lbs)
Hydraulic: AS1656-1B08
Electrical: D369-HR33-BP1 28 VDC, 10 W
Integration: attaches to structure using 2 fasteners

3 Faucet Infrared Sensor

P/N: 09-700102-001

A backsplash mounted sensor linked to and powered by the LCM and will detect when a passenger's hands are within 150 mm.

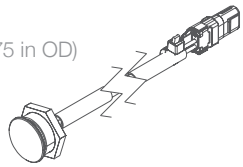


Envelope: 12.0 x 20.1 x 266.0 mm (0.47 x 0.79 x 10.47 in)
Weight: 0.06 kg (0.12 lbs)
Hydraulic: n/a
Electrical: D369-HR33-AS1 connector 28 VDC, 0.6 W
Integration: panel mounted housing available

4 Faucet Piezo Switch

P/N: 09-710202-001

A backsplash mounted switch that is linked to and powered by the LCM and can be used as an alternate to activate the faucet flow.



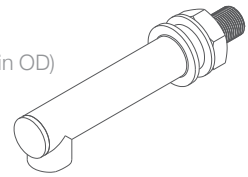
Envelope: 209.6 x 19 mm OD (8.25 x 0.75 in OD)
Weight: 0.06 kg (0.12 lbs)
Hydraulic: n/a
Electrical: D369-HR33-AS1 connector 28 VDC, 0.6 W
Integration: panel mounted housing available

Note: a combined piezo switch and IR sensor P/N 09-710202-001, is also available.

5 Faucet Spout

P/N: 09-700102-001

A configurable backsplash mounted lightweight, tamperproof design based on a certified retrofit design.



Envelope: 117 x 25.4 mm OD (4.6 x 1.0 in OD)
Weight: approx. 0.3 kg (0.66 lbs)
Hydraulic: AS1656-1B08
Electrical: n/a
Integration: panel cutout 31.8 mm (1.5 in) OD, wall thickness 10 mm (0.39") typical

QUALIFICATION

Substantiated to **EASA/FAR/CAR 25**

Qualified to **DO160G** Mechanical **4, 5, 6, 7, 8, 10, 11, & 26** | Electrical **15, 16, 17, 18, 19, 20, 21, 22, & 25**

Will be available with: **Transport Canada / EASA Form One / FAA 8130 Release Cert** | Certification expected **Q3/4 2021**

For maximum protection and efficiency IWG recommends the installation of IWG's HE 420/210W Lavatory Water Heater. These PMA'd heaters are a direct drop-in replacement for the existing heaters on Boeing and Airbus aircraft.

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