

CONTROL MODULE

Landis+Gyr

AD-FX1

TECHNICAL DATA



This module enables the tariff switching in ZMF meters via external control inputs. Two options are available:

- neutral internally wired
- neutral external

Environmental Influences

Temperature Range

Operation	-40 to +70 °C
Storage	-40 to +85 °C

Impermeability to IEC 60529	IP 52
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Electromagnetic compatibility

Electrostatic Discharges	to IEC 61000-4-2
Contact discharge	8 kV

Electromagnetic RF Fields	to IEC 61000-4-3
80 MHz to 2 GHz	10 and 30 V/m

Radio Interference Suppression according to IEC/CISPR 22	class B
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Fast Transient Burst Test	to IEC 61000-4-4
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Current and voltage circuits not under load	4 kV
Current and voltage circuits under load	
According to IEC 62053-21	2 kV
Auxiliary circuits > 40 V	1 kV

Fast Transient Surge Test	to IEC 61000-4-5
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Current and voltage circuits	4 kV
Auxiliary circuits > 40 V	1 kV

Insulation Strength

Insulation Strength	4 kV at 50 Hz during 1 min.
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Impulse Voltage 1.2/50 μ s	to IEC 62052-11
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Current and voltage circuits	6 kV
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Protection class to IEC 6050-131	<input type="checkbox"/> 2
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Input

Tariff control (2 rates)

Control voltage U_t	230 V
Permissible range	80–115% U_t
Current consumption	< 2 mA ohmic at 230 V

Weight and Dimensions

Weight	approx. 150 g
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Width / Height / Depth	90 / 165 / 45 mm
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Connections

Terminal Layout

Tariff Control	screwless spring-type terminals
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Connection to meter

6-pin connector at rear of module for data
1 spring for internal neutral connection

Material

Case	polycarbonate
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Type designation

AD – F X 1

Type of module

- C Plug&Play module ZCF
- F Plug&Play module ZMF
- G Plug&Play module ZFF

Communication medium

- X None

Rate control

- 1 1 Control Input

Data subject to change without notice.

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