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Data Sheet

August 13, 2026

SCHNEIDER ELECTRIC / EUROTHERM

Schneider Electric / Eurotherm Dimension 8725 PID Controller

Eurotherm Dimension 8725 Multi-Loop PID Controller The Eurotherm Dimension 8725 is a multi-loop PID controller with sequential and digital control. It monitors processes, provides setpoint ramping and event outputs, multiple alarm strategies, math functions, a user-configurable display, and memory-card data storage. Hardware is modular: attached graphic operator interface, analog I/O, EIA-232 and EIA-422 communications, and optional expansion cards. Loop count is ordered (CL1 through CL8). Multi-loop temperature and process control; sequential/digital interlocks; setpoint programmers; OEM machinery with graphic operator interface; plant MRO of Dimension 8700-series racks. The Eurotherm Dimension 8725 is a multi-loop PID controller with sequential and digital control. It monitors processes, provides setpoint ramping and event outputs, multiple alarm strategies, math functions, a user-configurable display, and memory-card data storage. Hardware is modular: attached graphic operator interface, analog I/O, EIA-232 and EIA-422 communications, and optional expansion cards. Loop count is ordered (CL1 through CL8). Multi-loop temperature and process control; sequential/digital interlocks; setpoint programmers; OEM machinery with graphic operator interface; plant MRO of Dimension 8700-series racks.



MODEL

**Schneider Electric
/ Eurotherm 8725**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

8725

LISTING

<https://aumictechlabs.com/products/8725-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Schneider Electric Eurotherm Dimension 8725 is a modular multi-loop PID controller engineered for precision temperature and process control in industrial automation systems. This DIN-rail mounted instrument delivers up to 8 independent PID control loops with configurable control modes (PID, PI, PD, P, I) and auto-tuning functionality. The unit integrates 18 analog inputs, 12 analog outputs, 32 digital I/O points, and 8 programmers to support complex sequential and event-driven control strategies across demanding process applications.

Technical Specifications

Control Architecture Multi-loop PID control with 8 independent loops Configurable control modes: PID, PI, PD, P, or I Auto-tuning for loop parameter optimization Sequential and digital control with setpoint ramping Multiple alarm strategies and math function processing I/O Configuration 18 analog inputs 12 analog outputs 32 digital I/O channels 8 programmers Communication & Interfaces EIA-232, EIA-422, and IEEE-488 ports on single unit Real-time clock and memory card data storage Eurotherm iTools configuration software Graphical operator interface with user-configurable display Electrical Supply: 24 V DC (bus and field power) Operating voltage range: 20.4 to 28.8 V DC Bus current: 32.4 mA typical Field current: 8.4 mA (minimum) to 210.1 mA (maximum) Maximum consumption: 1.43 W at 24 V DC Channel-to-bus isolation: 1500 V AC Channel-to-ground isolation: 1500 V AC Physical & Environmental Mounting: TH35-7.5 or TH35-15 DIN rail (IEC 60715) Dimensions: 121 mm H × 15 mm W × 80 mm D Weight: 0.077 kg IP20 rating Operating temperature: -20 to 60 °C Storage temperature: -40 to 85 °C Relative humidity: 5 to 95% non-condensing Operating altitude: 0 to 2000 m undeerated; 2000 to 5000 m deerated Vibration: 1 g without accessory, 2 g with accessory Shock: 15 g for 11 ms Pollution degree: 2

Certifications CE, UKCA, CULus, RCM, EAC. Pending: ATEX Zone 2, IECEx Zone 2, CCC Ex Zone 2. Compliance: EN/IEC 61131-2, EN 61010-2-201, UL 61010-2-201, IACS E10, EN/IEC 61000-6-5, EN/IEC 61850-3, EN/IEC 60079-0, EN 50155, EN 50121-4, EN 50121-5. Directives: 2014/30/EU, 2014/34/EU.

Features & description

From manufacturer datasheet

Features

- Multi-loop PID with sequential and digital control
- Setpoint ramping and event outputs
- Multiple alarm strategies and math functions
- User-configurable display and memory-card storage
- EIA-232 and EIA-422 communications options
- Orderable 1 to 8 control loops (CL1 to CL8) plus programmer (PR1)

8725 Characteristics / Specifications

PARAMETER	VALUE
Model	Dimension 8725
Manufacturer	Eurotherm (Schneider Electric)
Instrument Type	Multi-Loop PID Controller / Programmer
Series	Eurotherm Dimension 8700
Alias	8725; Dimension 8725; Eurotherm 8725
Control Type	multi-loop PID plus sequential, digital control
Process Monitoring	yes
Setpoint Function	setpoint ramping and event outputs
Alarm Strategies	multiple
Math Functions	included
Display	user configurable (attached graphic operator interface option AGIO/AGOI)
Data Storage	memory card
Example Order Code	8725/AGOI/3211/CL1/PR1/232/422/0/0/0
Graphic Interface Code	AGIO / AGOI attached graphic operator interface
Example Output Code 32	Output 1 type 3; Output 2 type 2; Output 3 type 1; Output 4 type 1
Loop Code CL	8 control loops (example 8725/R12-NG0/4444/CL8/PR1/232/422/0)
Programmer Code	PR1 one programmer
Comm Code 2	EIA-232
Comm Code 4	EIA-422
Comm Slot	0 none on example builds
Expansion Card	0 none on example builds
Analog I/O	dedicated analog I/O card / included analog I/O on listed configurations
Operator Interface	included on AGIO configurations
Ship Weight Listing	5 lbs each (typical listing)

PARAMETER	VALUE
Family Companion	Dimension 8705 input/output processor
Comm Modules Family	AH025726U002 RS232 Modbus; AH025727U002 RS422
DC Output Module Family	AH025728U003 DC O/P ISOL
Power Supply Listing	102 to 264 Vac (one accessory listing for Dimension hardware)
Humidity Listing	0 to 90 percent noncondensing (one listing)
I/O Card Repair PN	086321-001 Eurotherm 8725 analog I/O card
Control Loops Range	1 to 8 per order code
Communications	data communications as ordered
Construction	rack/module Dimension chassis with plug-in I/O and comms Notes Specs from Eurotherm Dimension 8725 datasheet/manual listings and published order-code breakdowns. Exact analog ranges, PID gain tables, and supply current belong on the installed configuration label (AGOI, CLn, output digits). Confirm loop count, programmer, and comms options.
Humidity	Listing: 0 to 90 percent noncondensing (one listing)

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
Specifications	
PARAMETER	VALUE
Model	Dimension 8725
Manufacturer	Eurotherm (Schneider Electric)
Instrument Type	Multi-Loop PID Controller / Programmer
Series	Eurotherm Dimension 8700
Alias	8725; Dimension 8725; Eurotherm 8725
Control Type	multi-loop PID plus sequential, digital control
Process Monitoring	yes
Setpoint Function	setpoint ramping and event outputs
Alarm Strategies	multiple
Math Functions	included
Display	user configurable (attached graphic operator interface option AGIO/AGOI)
Data Storage	memory card
Example Order Code	8725/AGOI/3211/CL1/PR1/232/422/0/0/0
Graphic Interface Code	AGIO / AGOI attached graphic operator interface
Example Output Code 3211	Output 1 type 3; Output 2 type 2; Output 3 type 1; Output 4 type 1
Loop Code CL1	1 control loop
Loop Code CL8	8 control loops (example 8725/R12-NG0/4444/CL8/PR1/232/422/0)
Programmer Code	PR1 one programmer
Comm Code 232	EIA-232
Comm Code 422	EIA-422
Comm Slot 3	0 none on example builds
Expansion Card 1	0 none on example builds
Expansion Card 2	0 none on example builds
Analog I/O	dedicated analog I/O card / included analog I/O on listed configurations
Operator Interface	included on AGIO configurations

PARAMETER	VALUE
Ship Weight Listing	5 lbs each (typical listing)
Family Companion	Dimension 8705 input/output processor
Comm Modules Family	AH025726U002 RS232 Modbus; AH025727U002 RS422
DC Output Module Family	AH025728U003 DC O/P ISOL
Power Supply Listing	102 to 264 Vac (one accessory listing for Dimension hardware)
Humidity Listing	0 to 90 percent noncondensing (one listing)
I/O Card Repair PN	086321-001 Eurotherm 8725 analog I/O card
Control Loops Range	1 to 8 per order code
Communications	data communications as ordered
Construction	rack/module Dimension chassis with plug-in I/O and comms

Notes

Specs from Eurotherm Dimension 8725 datasheet/manual listings and published order-code breakdowns. Exact analog ranges, PID gain tables, and supply current belong on the installed configuration label (AGOI, CLn, output digits). Confirm loop count, programmer, and comms options.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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NIST-traceable calibration · SAM registered ·
30-day returns
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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.