Det-Tronics EQ3700DW

Discrete I/O Module / Exact identity and technical profile

This reference separates the exact published characteristics of Det-Tronics EQ3700DW from neighboring family variants and undocumented suffixes.

Exact model	EQ3700DW
Part number	007371-003
Module type	8-channel discrete input/output
Platform	Eagle Quantum Premier
Mounting code D	DIN rail
Approval code W	FM / CSA / ATEX / IECEx

TECHNICAL MARKER

8 configurable I/O channels

TECHNICAL MARKER

DIN-rail mounting

TECHNICAL MARKER

Supervised or unsupervised points

TECHNICAL MARKER

FM/CSA/ATEX/IECEx execution

Technical boundary

The exact model and its published data govern this reference. Similar family names, suffixes or physical appearance do not establish the same electrical or software behavior.

Identity evidence	Read EQ3700DW from the installed label and procurement record
Function evidence	Confirm the published discrete i/o module role in the Eagle Quantum Premier system
Configuration evidence	Retain the project, mapping, range, address or interface assigned to this position
Release evidence	Link final diagnostics to a witnessed field or operator response

TECHNICAL DECISION

Accept EQ3700DW only when its identifier and installed-system role agree.

CHANGE BOUNDARY

Any redesign beyond the documented EQ3700DW position requires separate engineering approval.

Det-Tronics EQ3700DW

Discrete I/O Module / Published characteristics

This matrix groups the published EQ3700DW characteristics that control identification, configuration and engineering review. Each entry remains tied to the exact discrete i/o module record.

Exact model	EQ3700DW
Part number	007371-003
Module type	8-channel discrete input/output
Platform	Eagle Quantum Premier
Mounting code D	DIN rail
Approval code W	FM / CSA / ATEX / IECEx
Channel configuration	Input or output
Point style	Supervised or unsupervised
Input uses	Alarm, supervisory or other approved input
Output uses	Notification, releasing or approved control output
Field communication	EQP signaling line circuit
Enclosure material	Aluminum

INTERPRETATION

Use every EQ3700DW value with the exact installed configuration.

DESIGN RECORD

Retain the drawing, project and channel or interface assignments that make EQ3700DW data actionable.

Nameplate check	Manufacturer and full reference agree with the controlled record
Range check	Published operating or signal data agree with the configured use
Interface check	Backplane, terminal, cable, network or memory arrangement is documented
Limit check	Loading, channel count, supply or lifecycle constraint is reviewed
Evidence close	Source title and applicable product record are retained with the decision

NO BORROWED VALUES

Another Det-Tronics suffix cannot fill a missing EQ3700DW parameter.

ENGINEERING OUTPUT

Record the exact value used, its purpose and any unresolved item before selection.

Det-Tronics EQ3700DW

Discrete I/O Module / System role and data flow

Fire-detector inputs

Accepts approved heat, smoke or unitized flame-detector circuits.

Notification outputs

Operates configured alarm-signaling circuits within the engineered EQP design.

Releasing outputs

Controls approved releasing circuits through documented supervised logic.

Fire-and-gas system expansion

Adds eight field points to the Eagle Quantum Premier network.

Signal and configuration path

Field layer	Sensors, loads, terminal or operator interface assigned by the design
Module layer	EQ3700DW performs its published discrete i/o module role
Control layer	PLC project, address map or runtime application interprets the exchanged data
Acceptance layer	Diagnostics and intended process response are witnessed together

Engineering boundary

Application examples describe system roles only. They do not establish automatic interchangeability, replacement approval or suffix equivalence.

Observed input	Field, network or operator condition presented to EQ3700DW
Published action	The documented discrete i/o module function processes that condition
Configured interpretation	PLC logic, HMI project or station mapping assigns system meaning
Expected output	A defined state, value, message or command is produced
Acceptance proof	The complete path is witnessed under controlled conditions

APPLICATION RECORD

Tie each EQ3700DW use case to the installed drawing or project tag.

EXCEPTION CONTROL

Document and resolve any behavior that differs from the approved response.

Det-Tronics EQ3700DW

Discrete I/O Module / Engineering decisions

SUPPORTED IDENTITY

EQ3700DW

PUBLISHED FUNCTION

Discrete I/O Module

SYSTEM CONTEXT

Eagle Quantum Premier

UNSUPPORTED INFERENCE

A nearby model, suffix or family resemblance

Model-specific questions

How many configurable channels does Det-Tronics EQ3700DW provide?

It provides eight independent channels that can be configured as inputs or outputs.

Which approval package is encoded by Det-Tronics EQ3700DW?

The W code identifies the FM, CSA, ATEX and IECEx execution.

Can each channel on Det-Tronics EQ3700DW be supervised?

Each point can be configured for supervised or unsupervised operation within the supported EQP point styles.

What must be retained before replacing Det-Tronics EQ3700DW?

Retain node identity, all eight channel assignments, supervision values, wiring labels and the impairment record.

Which mounting form is encoded by Det-Tronics EQ3700DW?

The D code identifies DIN-rail mounting.

Which part number belongs to Det-Tronics EQ3700DW?

The official product catalog lists part number 007371-003.

Which system communicates with Det-Tronics EQ3700DW?

The module is designed for the Eagle Quantum Premier fire-and-gas system signaling line circuit.

What proves successful commissioning of Det-Tronics EQ3700DW?

Witness every configured input and output together with active, fault, supervision and system-annunciation behavior.

Decision closeout

Close the EQ3700DW technical review with the exact identifier, applicable published limits and the installed configuration assumptions explicitly recorded.

Question coverage	Identity, function, configuration and field handling addressed
Open item	Any unanswered exact-model point is listed without guessed data
Decision owner	Responsible engineering or maintenance role identified
Supporting record	Drawing, project revision, readings and witnessed result attached

APPROVAL

The EQ3700DW decision is accepted only within the documented scope.

REVIEW TRIGGER

A different suffix, wiring arrangement, project or application requires a new review.

Det-Tronics EQ3700DW

Discrete I/O Module / Evidence and support

Exact product	Det-Tronics EQ3700DW
Technical class	Discrete I/O Module
Platform	Eagle Quantum Premier
Evidence use	Exact-model characteristics and engineering boundary
Record with	Installed drawing, project and acceptance evidence

Retained evidence	Nameplate, source title, configuration baseline and field record
Installation evidence	Isolation, conductor/connector record and post-work inspection
Commissioning evidence	Diagnostics, measurements and intended response
Final record	Responsible witness, date, exceptions and approved disposition

VERIFIED APTER POWER CATALOG REFERENCES

Navigation only; compatibility, substitution and manufacturer endorsement are not implied.

Triconex 3511	View Triconex 3511 page
HIMA F60CPU01	View HIMA F60CPU01 page

MANUFACTURER EVIDENCE RECORD

Det-Tronics 2026 Product Catalog and EQ3700 DCIO Record

Exact model matrix / EQ3700DW part 007371-003

CONTACT APTER POWER

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com

Send the exact model, quantity, destination and requested condition for a quotation.