FRIOLINK™

DATASHEET

Compatible controllers

KMC Controls · BACnet · Modbus · Reading existing controllers

Status with Friolink: Field-tested

If the cold rooms already have controllers, Friolink reads them without replacing them and without writing anything: temperature, states and alarms join the platform alongside its own sensors.

Specifications

KMC TotalControl 4.5	Field-tested · BACnet MS/TP via TotalControl · a logistics operator in production [1]
KMC BAC-5831	Advanced Application Controller 16 × 12 · BTL listed (archive) [3]
KMC BAC-5802	Advanced Application Controller 8 × 8 · BTL listed (archive) [3]
KMC BAC-5901CE	Conquest general-purpose with Ethernet · 10 inputs and 8 outputs · BTL B-AAC [4]
KMC BAC-A1616BC	BACnet Building Controller 16 × 16 · IP and MS/TP · discontinued by the manufacturer [5]
Generic BACnet/IP	Coming to the Gateway · discovery (Who-Is) and point mapping [2]
Modbus TCP / RTU	Coming to the Gateway · templates for Carel, Dixell, Eliwell, Danfoss and Full Gauge · RS-485 via USB adapter [2]
Mode	Read-only: never changes parameters or operates equipment [2]
Polling	Every 30 to 60 s [2]

With Friolink

- Alarms that do not depend on the controller: if it says all is well and Friolink's own probe disagrees, you are alerted
- Same rules, escalation and reports as Friolink's own sensors
- No changes to the controllers' programming

> BTL listings and certifications of each controller belong to the manufacturer. Friolink is not part of those listings: it reads controllers as a BACnet or Modbus client. Brands are mentioned only to indicate technical compatibility.

Sources

[1] KMC Controls, TotalControl: https://www.kmccontrols.com/product/totalcontrol/

[2] Friolink compatible hardware list: Friolink Gateway (GATEWAY-COMPATIBILIDAD.md)

[3] BACnet International, BTL listings: https://www.bacnetinternational.net/btl/

[4] KMC Controls, Conquest controllers: https://www.kmccontrols.com/blog/general-purpose-controllers-backbone-of-the-kmc-conquest-line/

[5] KMC Controls, BAC-A1616BC: https://www.kmccontrols.com/product/controller-bacnet-bbc-16x16-web-clock/

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