

CONNECTED FAN DRIVE CONTROL

DB9 INTELLIGENT DRIVE CONTROLLER

**CONTROL EACH FAN.
KNOW ITS CONDITION.**

A dedicated interface for individual variable-speed fans in dairy barns. DB9 receives commands from BARNEYE and returns live drive data on request.



1:1

INDIVIDUAL FAN

One DB9 connects to one VFD fan



TWO-WAY DATA

Precise commands plus live status, speed, frequency and current

100%

FAIL-SAFE

Runs at 100% after a configurable delay if CAN communication is lost

PRECISE CONTROL. VISIBLE FAN CONDITION.

The BARNEYE system supplies the environmental intelligence. DB9 turns each decision into a fan command and reports the result.

BUILT FOR FAN-BY-FAN CONTROL

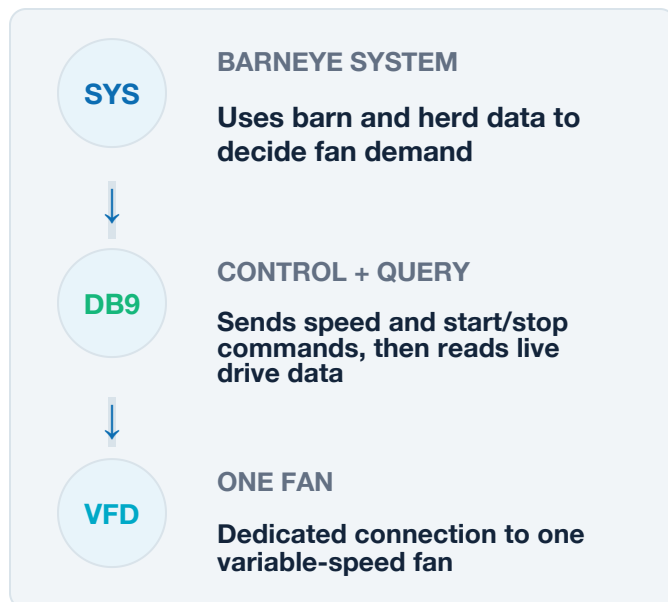
**One connected DB9 for every fan.
Precise airflow across the entire barn.**



WHY DB9

CONNECTED OPERATION

- 1:1**
Control each fan
 Set the output of each connected VFD fan independently.
- 0-10V**
Precise speed command
 0-10 V output provides direct variable-speed control.
- DATA**
Live drive visibility
 Query status, fault, actual speed, frequency and current.
- 100%**
Communication fail-safe
 A configurable delay triggers 100% fan output after CAN loss.



WHAT DB9 RETURNS ON REQUEST

- RPM**
ACTUAL SPEED
 Current value at the time of the query
- Hz**
FREQUENCY
 Live inverter output frequency
- A**
CURRENT
 Live current plus operating and fault status

LIVE SNAPSHOT DATA

DB9 returns the drive values and operating condition available whenever the system queries it.

KEY SPECIFICATIONS

Supply voltage	12-36 V DC	Speed command	1 × 0-10 V output
Power consumption	1 W max.	Address range	001-999
CAN	1 port	Ingress protection	IP67
VFD communication	RS485 / Modbus	Dimensions	110 × 80 × 75 mm
Start/stop output	1 relay, NC/NO	Operating temperature	-20 to 60 °C