



PRO GROW
DRAGON SERIES

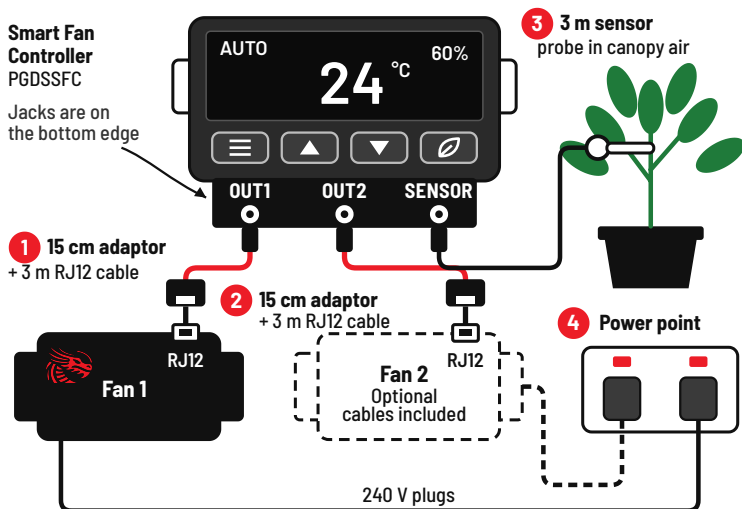
**QUICK
START**

Quick start: Dragon Series fan + Smart Fan Controller

For Aeroblast EC duct fans: Standard & Silenced, 150–300 mm.

**Smart Fan
Controller**
PGDSSFC

Jacks are on
the bottom edge



- 1** Fan 1 → OUT1. 15 cm adaptor into OUT1, then a 3 m RJ12 cable to the fan.
- 2** Fan 2 → OUT2 (optional, all cables included). Second adaptor into OUT2, then the second RJ12 cable. Both outputs send the same signal.
- 3** Sensor → SENSOR. Plug in the 3 m sensor; place the probe in the canopy air.
- 4** Power. Plug each fan into a 240 V power point. The fan powers the controller.

In the box: controller, 3 m sensor probe, 2 × 15 cm 3.5 mm to RJ12 adaptors, 2 × 3 m RJ12 cables and screws. Runs two fans out of the box.



FIRST SETUP

- 1 Switch to °C** (ships in °F). Press **Mode** until OFF mode, then hold **▲**+**▼** together.
- 2 Set fan speed.** Press **Mode** to ON mode and set the speed with **▲** **▼**. This is also the top speed AUTO will use.
- 3 Set AUTO triggers.** In AUTO mode, set High temp, Low temp, High humidity and Low humidity thresholds with **▲** **▼**. When one is crossed, fans ramp up to the ON speed, then slow down when conditions return to normal. Hold **▲**+**▼** to turn a trigger OFF.
- 4 Lock it.** Hold **Leaf** for 3 s to lock or unlock. Tap **Leaf** to turn the screen on/off.

MODE	Mode cycles ON → OFF → AUTO → ALARM → TIMER. Hold Mode to go back.
OFF	Fans off. ▲ ▼ sets screen brightness: 1, 2, 3, A3.
ALARM	Temp/humidity alarms ramp fans to max (in AUTO, ON, TIMER). Hold ▲ + ▼ = OFF.
TIMER	Countdown at the ON speed, then stops. Starts 3 s after your last press.

USING THE INCLUDED SPEED KNOB INSTEAD

Each fan includes an analogue speed controller. Plug it into the fan's RJ12 control socket instead of the Smart Fan Controller. With nothing connected, the fan runs at full speed.

TROUBLESHOOTING

Won't start at low speed	EC fans need over ~30% to start (they run down to ~20%). Turn the speed up until it starts, then back down.
"—" on the screen	Sensor not detected. Push its plug fully in.
Fan 2 not running	Check the adaptor in OUT2 and its RJ12 cable.
Screen blank	Fan off or RJ12 cable loose.
Full speed unexpectedly	No signal = full speed. Reseat the RJ12 cable at both ends.
Locked	Controller is locked. Hold Leaf for 3 s.

Fan RJ12 pins: 6 red +10 V out (50 mA max) · 4 yellow speed in, 0–10 V or PWM 1–10 kHz · 3 black GND · 2 white tach (3 pulses/rev) · 1, 5 unused. 0–10 V: start >3 V, min ~2 V, max 9.5 V, stop <1 V.

Keep the fan's plug and power point dry. Unplug before servicing.