GOYEN DS SERIES

DURO SEQUENCER

DESCRIPTION

The Duro Sequencer is an economical and durable filter cleaning control solution, for smaller collectors.

The Duro Sequencer features a robust solid state construction for excellent reliability and is designed for ease of installation and operation. The On and Off times for the Cleaning Pulse can be simply adjusted through the use of rotary analogue dials, while the microprocessor ensures the accuracy of the settings. The Duro Sequencer delivers confidence in its robustness and function as it is backed by Goyen's proven record within industry for reliability and quality construction.

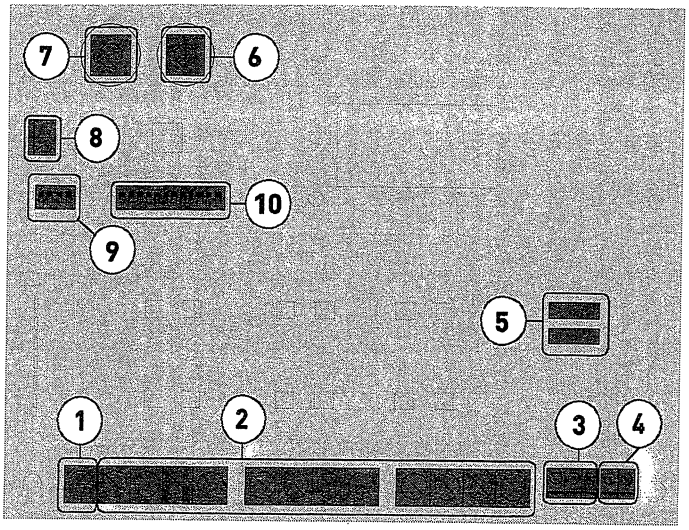
FEATURES

- Low cost with high performance and guaranteed reliability.
- Rotary Analogue Dials for quick and easy adjustment of pulse On time and Off time.
- Short circuit protection on each output.
- Simple to install and operate.
- Remote stop functionality and post-cleaning blow-down cycles.
- Conforms to the requirements of UL, CE, FCC and RCM.

TECHNICAL CHARACTERISTICS & PERFORMANCE

Input Voltage	AC: 100/240 V @ 50/60 Hz DC: 24 V
Output Voltage	AC: 100/240 V @ 50/60 Hz (same as input) DC: 24 V
Maximum Input Power	AC IN, AC OUT Model: 225 W AC IN, DC OUT Model: 25 W DC IN, DC OUT Model: 25 W
Discrete Solenoid Outputs	12 outputs
Enclosure	Polycarbonate or no enclosure
Protection Rating	Polycarbonate: IP 66/67 & NEMA 1, 4, 4X, 6, 12 & 13
Operating Temperature	–20°C to 60°C (–4°F to 140°F)
ON & OFF Time	ON: 30 ms to 1000 ms, OFF: 1 s to 1000 s
Inputs	Voltage Free: Fan Stop

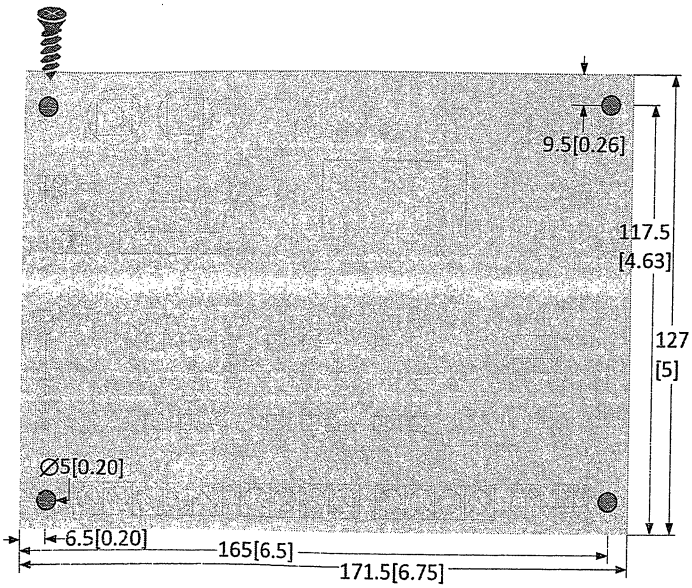
WARNING: This installation must be performed by a technically competent person. To prevent injury, damage or malfunction, read the following instructions carefully. If in doubt, contact your representative for further advice.



1	Outputs Common Terminal: This is the common terminal for all the 12 solenoid outputs. Max. cable size 12–22 AWG.
2	Discrete Solenoid Output Terminals: Connect each solenoid wire to a separate output terminal. Max. cable size 12–22 AWG.
3	AC Input Voltage: Electrical connection if using the AC board. Max. Cable size 14–26 AWG.
4	DC Input Voltage: Electrical connection if using the DC board. Max. cable size 14–26 AWG.
5	Fuse (Over Current Protection): Replacement fuse T2.5 A 250 V (slow blow).
6	OFF Delay: Adjust knob to the desired solenoid OFF delay or delay between valve pulses. The minimum setting should allow each solenoid a 60-second rest between pulses (i.e. 60 sec/12 valves = 5 seconds minimum OFF time, 60 sec/4 valves = 15 seconds minimum OFF time, etc.).
7	ON Time: Adjust the knob to the desired solenoid ON time or valve pulse time. A typical setting is 150 ms.
8	Fan Stop Input (Voltage Free): This input is used to stop the controller remotely. It may be connected to the blower fan control so the cleaning cycle automatically pauses in the event the fan stops. Max. cable size 14–26 AWG.
9	Blowdown: Select the number of Blowdown cycles you want to occur when the Fan Stop input is closed.
10	Valve Selection Switches: Select the number of valves you wish to control by placing the switches in the ON position. Each switch corresponds to the matching Discrete Solenoid Output Terminal [2], i.e. Switch 1 controls the Discrete Solenoid Output Terminal [2] closest to the Outputs Common Terminal [1] and so on.

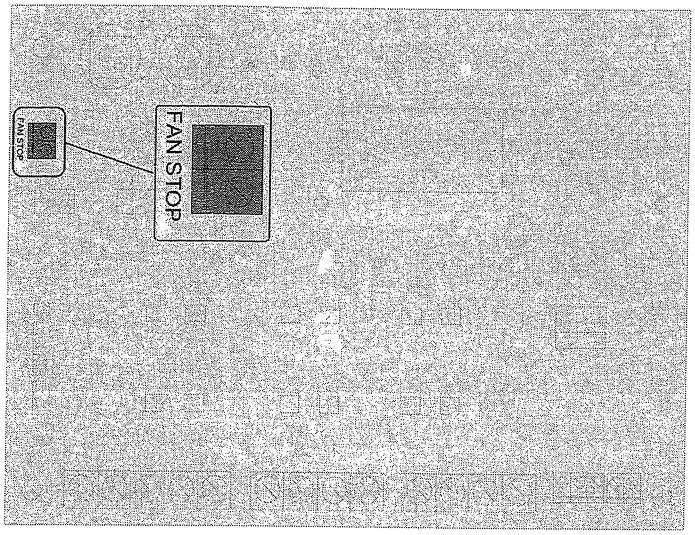
INSTALLATION INSTRUCTIONS/ INSTRUCTIONS D'INSTALLATION/ INSTALLATIONSANWEISUNGEN/ ISTRUZIONI PER L'INSTALLAZIONE/ INSTRUCCIONES DE INSTALACIÓN/ ИНСТРУКЦИИ ПО УСТАНОВКЕ

STEP 1/ ÉTAPE 1/ SCHRITT 1/ PUNTO 1/ PASO 1/ ШАГ 1



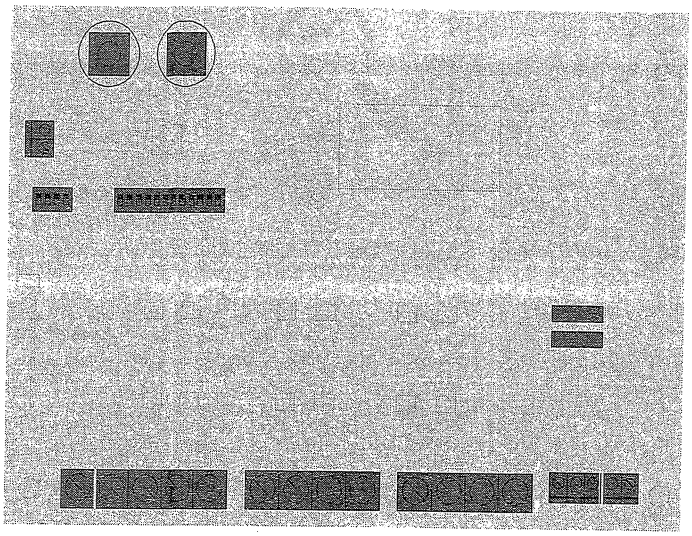
Carefully mount board/ Monter le panneau avec précaution/ Das Board vorsichtig montieren/ Montare la scheda attentamente/ Monte la placa con cuidado/ Осторожно установите плату

STEP 2 (Optional)/ ÉTAPE 2 (facultatif)/ SCHRITT 2 (Optional)/ PUNTO 2 (opzionale)/ PASO 2 (Opcional)/ ШАГ 2 (Опциональный)



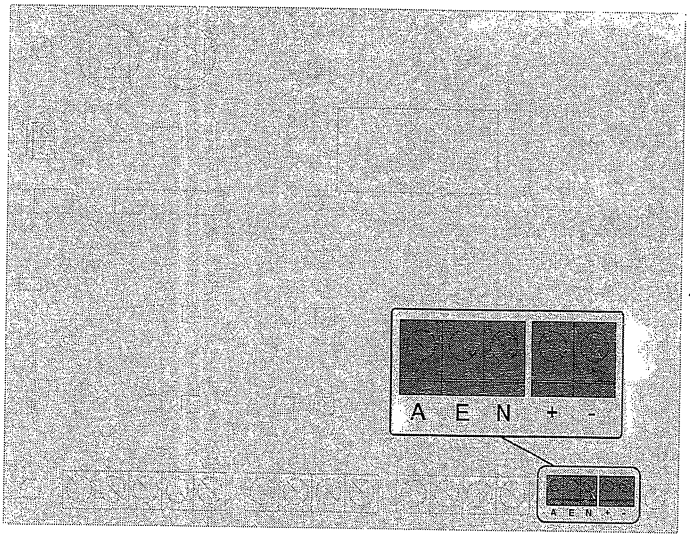
Connect Inputs (if required)/ Brancher l'entrée (le cas échéant)/ Eingang verbinden (falls nötig)/ Collegare l'ingresso (se necessario)/ Conecte la entrada (si es necesario)/ Присоедините ввод (если необходимо)

STEP 3/ ÉTAPE 3/ SCHRITT 3/ PUNTO 3/ PASO 3/ ШАГ 3



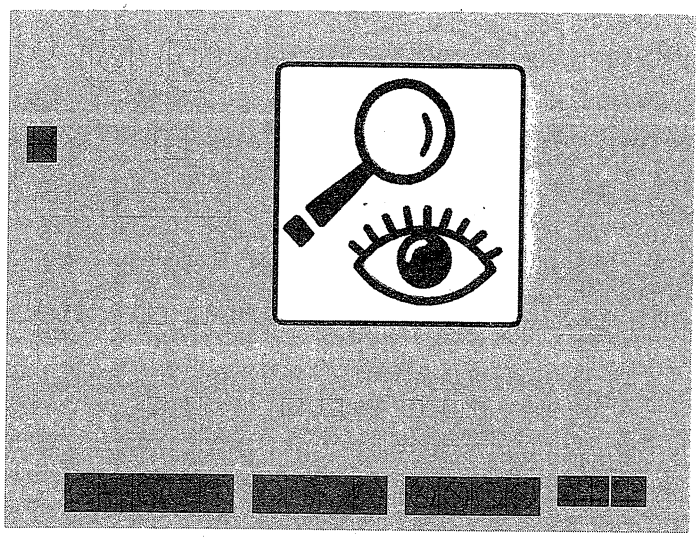
Connect discrete solenoid outputs/ Brancher les sorties discrètes d'électrovanne/ Separate Magnetausgänge verbinden/ Collegare le uscite discrete (solenoidi)/ Conecte las salidas de solenoide discretas/ Подсоедините дискретные выходы на электромагнитные клапаны

STEP 4/ ÉTAPE 4/ SCHRITT 4/ PUNTO 4/ PASO 4/ ШАГ 4



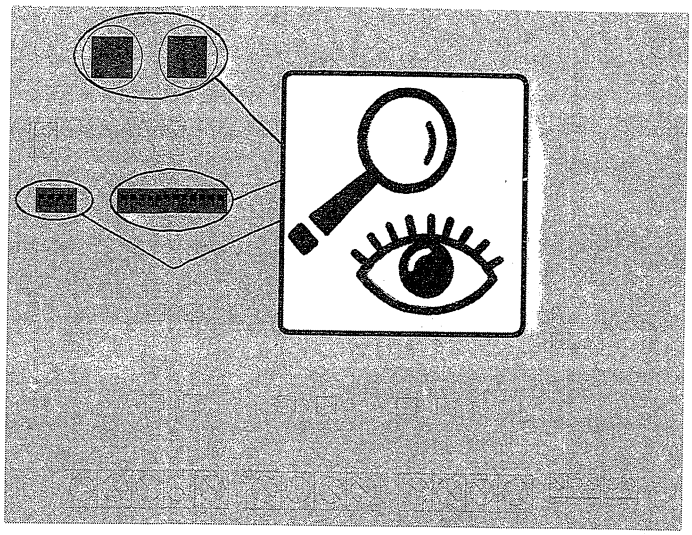
Connect appropriate input voltage/ Brancher la tension d'entrée appropriée/ Entsprechende Eingangsspannung verbinden/ Collegare la tensione di ingresso adeguata/ Conecte la corriente de entrada pertinente/ Подключите соответствующее входное напряжение

STEP 5/ ÉTAPE 5/ SCHRITT 5/ PUNTO 5/ PASO 5/ ШАГ 5



Inspect all connections/ Vérifier toutes les connexions/ Alle Verbindungen überprüfen/ Collegare tutte le connessioni/ Inspeccione todas las conexiones/ Осмотрите все соединения

STEP 6/ ÉTAPE 6/ SCHRITT 6/ PUNTO 6/ PASO 6/ ШАГ 6



Power up and check settings/ Mettre sous tension et vérifier les paramètres/ Mit Strom verbinden und Einstellungen prüfen/ Accendere e controllare le impostazioni/ Arranque la unidad y compruebe los ajustes/ Подайте питание и проверьте настройки

STEP 7/ ÉTAPE 7/ SCHRITT 7/ PUNTO 7/ PASO 7/ ШАГ 7

Test performance – Run cycle/ Tester la performance – Exécuter un cycle/ Testleistung – Laufzyklus/ Test di prestazione – Ciclo di esecuzione/ Prueba de rendimiento – Ejecute el ciclo/ Проверьте рабочие показатели — выполните цикл

WIRING DIAGRAM/ SCHÉMA DE CÂBLAGE/ SCHALTPLAN/ SCHEMA ELETTRICO/ DIAGRAMA DEL CABLEADO/ СХЕМА ВЫПОЛНЕНИЯ СОЕДИНЕНИЙ