

Installation Manual

Green Field Trainer



Green Field Trainer

Climate Controller

Ag/MIS/UmEN-2746-07/19 Rev 1.2

P/N: 116797

 **Munters**

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Installation Manual

Rev 1.2 05/2022

This manual for use and maintenance is an integral part of the apparatus together with the attached technical documentation.

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Munters reserves the right to effect modifications to the apparatus in accordance with technical and legal developments.

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1 Introduction

1.1 Disclaimer

Munters reserves the right to make alterations to specifications, quantities, dimensions etc. for production or other reasons, subsequent to publication. The information contained herein has been prepared by qualified experts within Munters. While we believe the information is accurate and complete, we make no warranty or representation for any particular purposes. The information is offered in good faith and with the understanding that any use of the units or accessories in breach of the directions and warnings in this document is at the sole discretion and risk of the user.

1.2 Introduction

Congratulations on your excellent choice of purchasing an Green Field Trainer!

In order to realize the full benefit from this product it is important that it is installed, commissioned and operated correctly. Before installation or using the fan, this manual should be studied carefully. It is also recommended that it is kept safely for future reference. The manual is intended as a reference for installation, commissioning and day-to-day operation of the Munters Controllers.

1.3 Notes

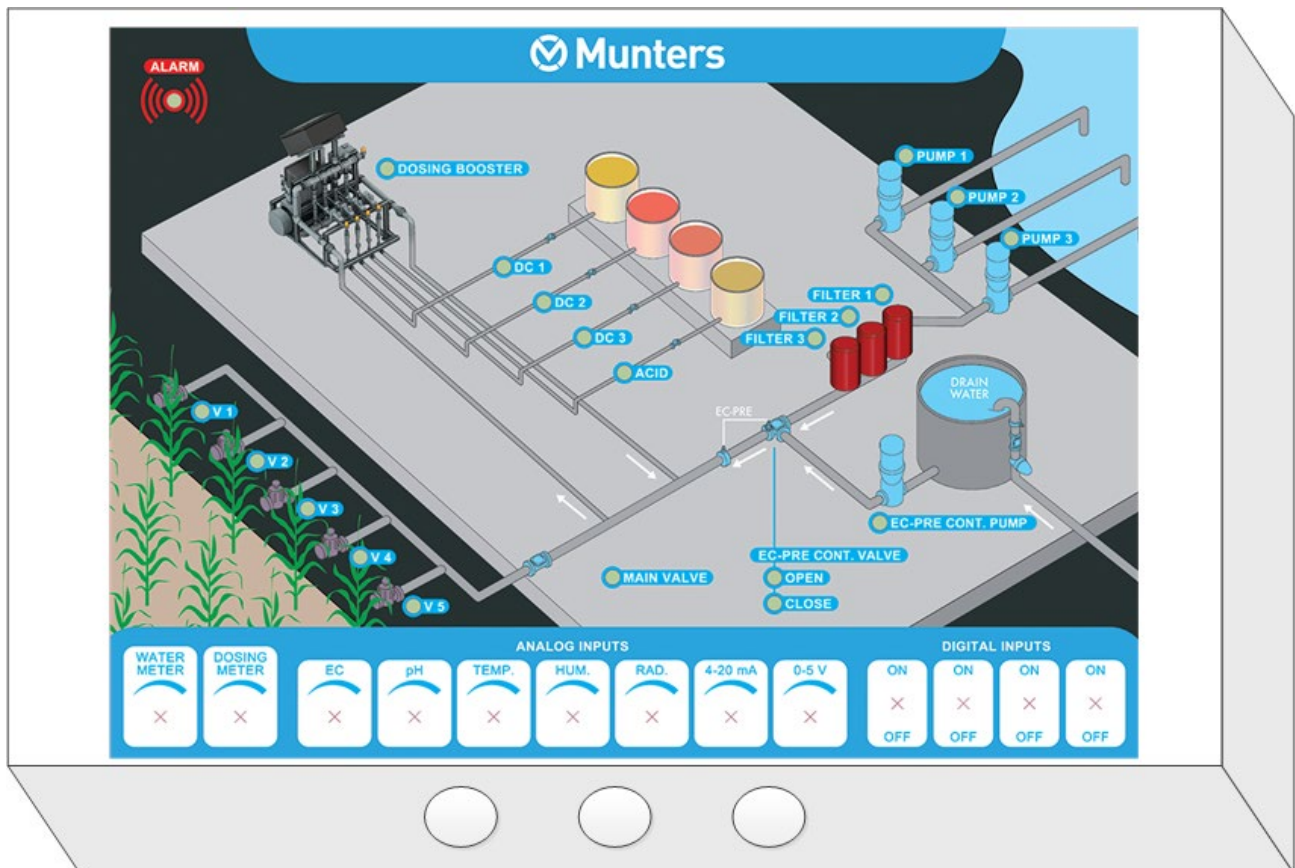
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2 Green Field Trainer Exterior

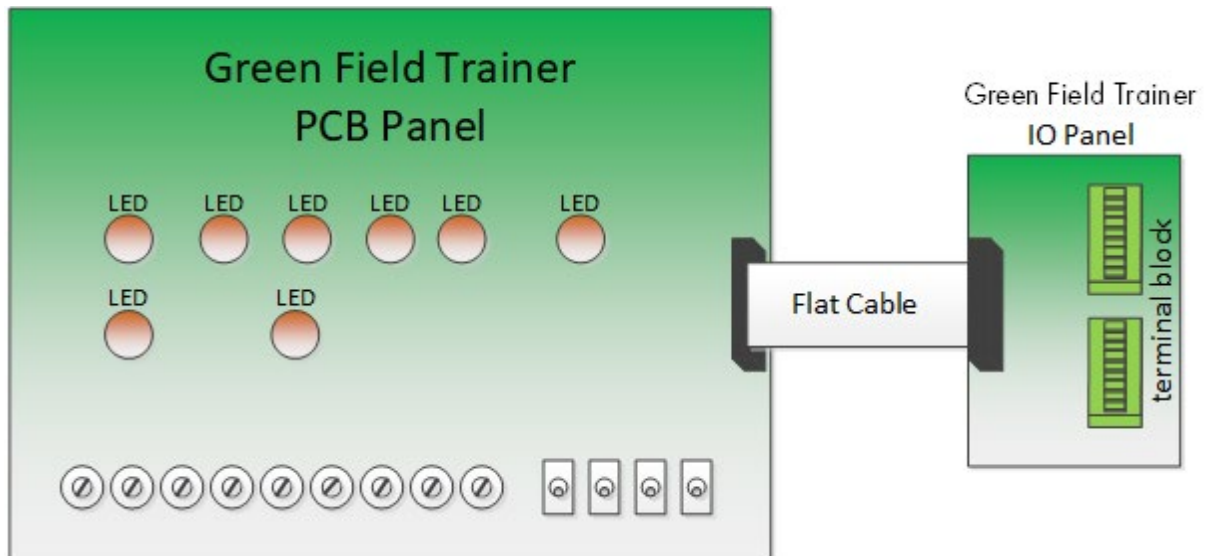
This document describes the Green Field Trainer, which is used in conjunction with a Munters Green Field Controller.



The Green Field Trainer is encased in a double box container. Green Field Trainer connects to the Green Field Controller via cables. The Green Field Trainer accepts the following signals:

- 24 VAC Common/Power (from relays)
- Green Field Trainer relay signal output
- Analog and digital input to the Green Field Trainer

3 Green Field Trainer Interior

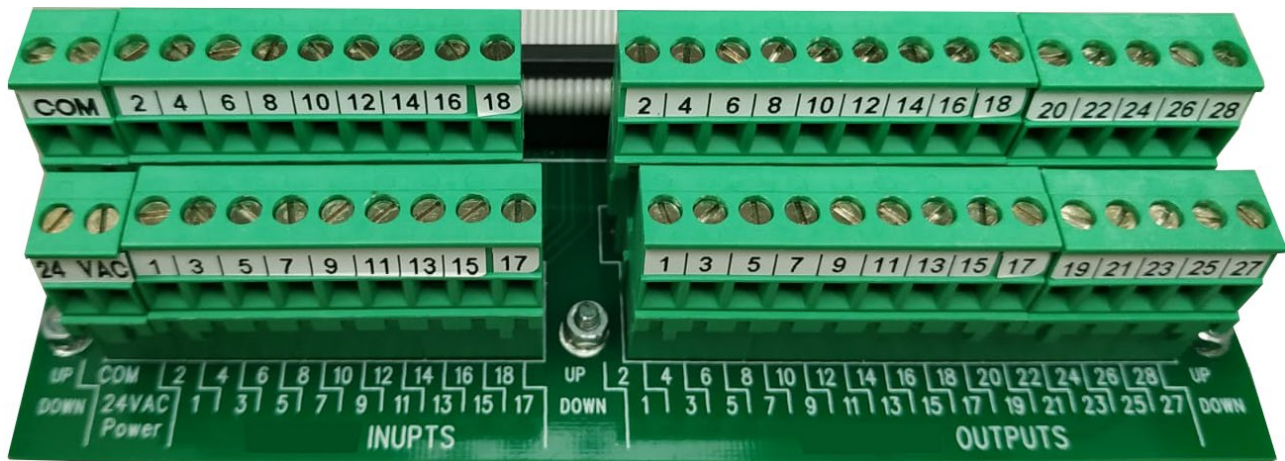


The Green Field Trainer interior consists of the following components:

- Green Field Trainer **PCB Panel**: This board generates the Green Field Trainer signals and controls the LED indicators used when mimicking an Irrigation system.
- Green Field Trainer **IO Panel**: The Green Field Controller connects to the Green Field Trainer via this panel.
- One 25 cm 10 pin flat cable.
- One 25 cm 40 pin flat cable.

4 Wiring the Units

NOTE Refer to the *Green Field Installation manual* for details on installing analog input, digital input, and digital output devices to the relevant cards.



1. Using the supplied cable and wires, connect the required Trainer output/input signals to the appropriate Green Field I/O ports.
2. In the Green Field Install menu, define the input and output functions according to the following tables.

Table 1: Green Field Input (Analog and Digital Inputs)

Cable	Wire Color	Pin Number	Function
#1	Red	24VAV	24V AC Supply
	Green	24VAV	24V AC Supply
	White	COM	COM (Analog or Digital)
	Black	COM	COM (Analog or Digital)
#2	Brown	1	TEMP-IN
	Red	2	HUM-IN
	Orange	3	DOSING METER
	Yellow	4	WATER METER
	Green	5	PH
	Blue	6	EC
	Purple	7	4-20 mA
	Gray	8	0-5V
	White	9	RAD
	Black	10	DIG-1

Cable	Wire Color	Pin Number	Function
	White/Brown	11	DIG-2
	White/Red	12	DIG-3
	White/Orange	13	DIG-4
	Not Used	14	No Connection
		15	No Connection
		16	No Connection
		17	No Connection
		18	No Connection

NOTE Cable #2 has seven unused wires.

Table 2: Green Field Output (Analog Outputs)

Cable	Wire Color	Pin Number	Function
	Not Used	1	No Connection
		2	No Connection
		3	No Connection
		4	No Connection
		5	No Connection
		6	No Connection
#3	Brown	7	EC-PUMP
	Red	8	EC-CLOSE
	Orange	9	EC-OPEN
	Yellow	10	PUMP-3
	Green	11	PUMP-2
	Blue	12	PUMP-1
	Purple	13	FILTER-3
	Gray	14	FILTER-2
	White	15	FILTER-1
	Black	16	MAIN
	White/Brown	17	ACID
	White/Red	18	DC3
	White/Orange	19	DC2
	White/Yellow	20	DC1
	White/Green	21	DOS-BOOST

Cable	Wire Color	Pin Number	Function
	White/Blue	22	V5
	White/Purple	23	V4
	White/Gray	24	V3
	Yellow/Blue	25	V2
	White/Black	26	V1
#4	Brown	27	ALARM
	Red	28	24VAC_COM (FROM-RELAY)

NOTE Cable #4 has 18 unused wires.

5 Warranty

Warranty and technical assistance

Munters products are designed and built to provide reliable and satisfactory performance but cannot be guaranteed free of faults; although they are reliable products they can develop unforeseeable defects and the user must take this into account and arrange adequate emergency or alarm systems if failure to operate could cause damage to the articles for which the Munters plant was required: if this is not done, the user is fully responsible for the damage which they could suffer.

Munters extends this limited warranty to the first purchaser and guarantees its products to be free from defects originating in manufacture or materials for one year from the date of delivery, provided that suitable transport, storage, installation and maintenance terms are complied with. The warranty does not apply if the products have been repaired without express authorisation from Munters, or repaired in such a way that, in Munters' judgement, their performance and reliability have been impaired, or incorrectly installed, or subjected to improper use. The user accepts total responsibility for incorrect use of the products.

The warranty on products from outside suppliers fitted to Green Field Trainer, (for example Green Field Trainer's antennas, power supplies, cables, etc.) is limited to the conditions stated by the supplier: all claims must be made in writing within eight days of the discovery of the defect and within 12 months of the delivery of the defective product. Munters has thirty days from the date of receipt in which to take action, and has the right to examine the product at the customer's premises or at its own plant (carriage cost to be borne by the customer).

Munters at its sole discretion has the option of replacing or repairing, free of charge, products which it considers defective, and will arrange for their despatch back to the customer carriage paid. In the case of faulty parts of small commercial value which are widely available (such as bolts, etc.) for urgent despatch, where the cost of carriage would exceed the value of the parts, Munters may authorise the customer exclusively to purchase the replacement parts locally; Munters will reimburse the value of the product at its cost price.

Munters will not be liable for costs incurred in demounting the defective part, or the time required to travel to site and the associated travel costs. No agent, employee or dealer is authorised to give any further guarantees or to accept any other liability on Munters' behalf in connection with other Munters products, except in writing with the signature of one of the Company's Managers.

WARNING: In the interests of improving the quality of its products and services, Munters reserves the right at any time and without prior notice to alter the specifications in this manual.

The liability of the manufacturer Munters ceases in the event of:

- dismantling the safety devices;
- use of unauthorised materials;
- inadequate maintenance;
- use of non-original spare parts and accessories.

Barring specific contractual terms, the following are directly at the user's expense:

- preparing installation sites;
- providing an electricity supply (including the protective equipotential bonding (PE) conductor, in accordance with CEI EN 60204-1, paragraph 8.2), for correctly connecting the equipment to the mains electricity supply;
- providing ancillary services appropriate to the requirements of the plant on the basis of the information supplied with regard to installation;
- tools and consumables required for fitting and installation;
- lubricants necessary for commissioning and maintenance.

It is mandatory to purchase and use only original spare parts or those recommended by the manufacturer.

Dismantling and assembly must be performed by qualified technicians and according to the manufacturer's instructions.

The use of non-original spare parts or incorrect assembly exonerates the manufacturer from all liability.

Requests for technical assistance and spare parts can be made directly to the nearest [Munters office](#).

