

- Ext. communication to Host System
- A Feeder
- B Weighing System
- C Control Module
- D Operator Interface

Each Coperion K-Tron weigh feeder consists of the components A, B, C and D.

Component D is specified here.

Description

The Coperion K-Tron Single Unit Display II (KSU-II) is an additional user interface for use with the KCM. It can be used as a portable display for maintenance or configuration in systems where feeders have no built-in user interface. The KSU-II is designed to interface with one or more Coperion K-Tron Control Modules (KCM). This compact unit may be mounted directly at the feeder or other convenient location. It interfaces with the KCM via an RS485 bus and may be run up to 500 m (1640 ft). In addition, the KSU-II is a handy and powerful tool for maintenance and configuration of larger feeder systems. It may access any single feeder from any location on the network and it is hot pluggable.

Installation

Installation is simple. If mounted within 100 m (330 ft) of the KCM, the KSU-II may be powered by the KCM. For distances between 100 and 500 m (330 and 1640 ft) an external power source is needed.

Operation

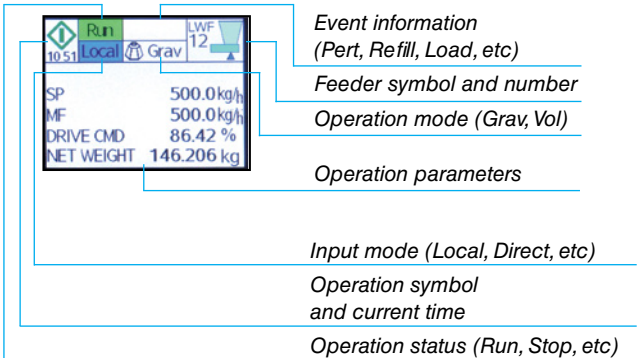
Function keys are marked with easily recognized symbols and text. From the Home Page, the operator can view the feeder's operational status and main process parameters. Pressing the NEXT key scrolls down one line. The status line remains visible, while the top parameter line scrolls off screen and a new line appears at the bottom.

LCD-display
(status info plus 4 lines)

Key touchpad for input
and programming

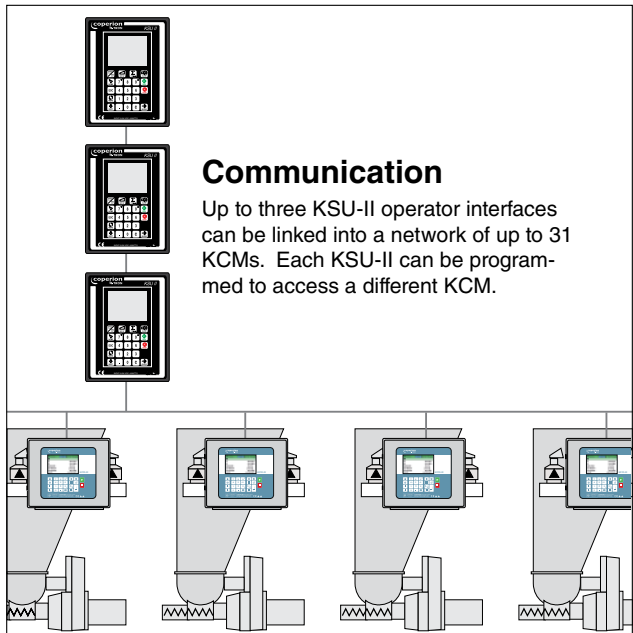


Film keyboard



Communication

Up to three KSU-II operator interfaces can be linked into a network of up to 31 KCMs. Each KSU-II can be programmed to access a different KCM.



Symbol Keys

- GRAV/VOL: GRAV/VOL operation shift
- HOME: Jump to Home Page
- ESC: Escape from points in menu or levels
- MENU: Exits current page and brings up main programming menu
- NEXT: Paging through screens or data entry options
- NEW SP: Enter feeder setpoint
- TOT 000: View/reset feeder totalizer
- ALARM: View/acknowledge current alarms
- RUN: Start feeder
- STOP: Stop feeder
- ENTER: Enter

Programming

Initial setup information (equipment and process data) are entered just once when the controller is first programmed.

All entries are made with the easy-to-use keypad. Data can be viewed on the display at all times.

Technical data

Power supply:
8 - 24 VDC

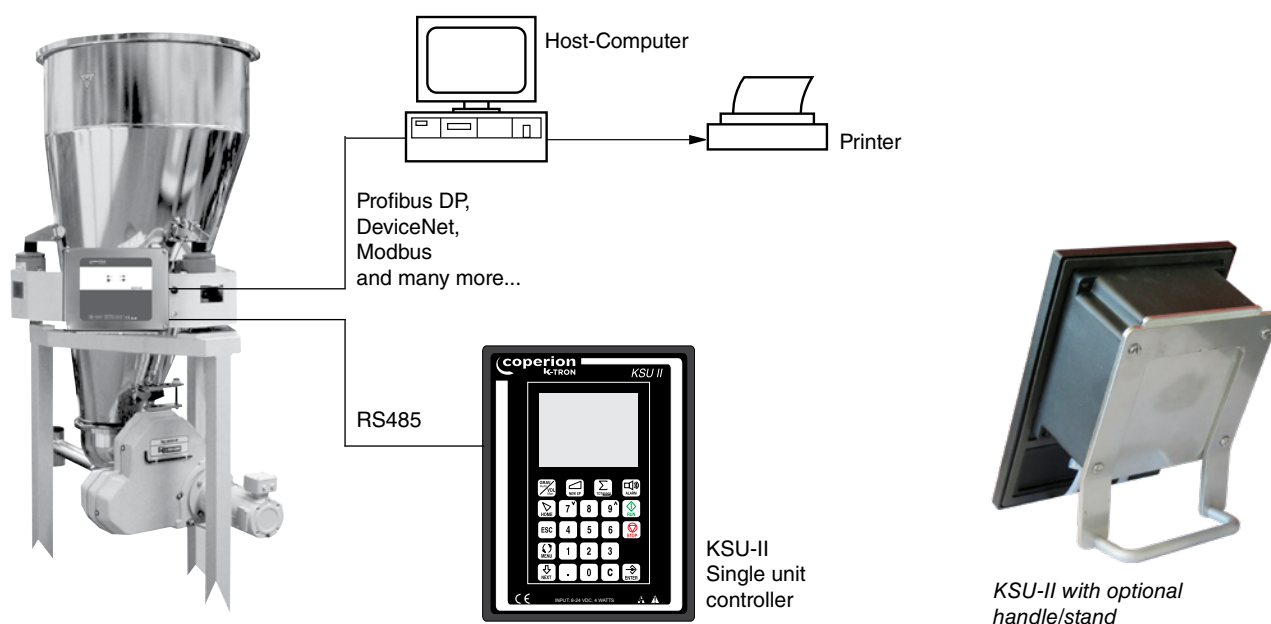
Languages:
English, German, French, Spanish, Italian
Menu layout and language are stored in the KCM.

Temperature range:
operating: -20° to 50°C (-4° to 122°F)
storage: -25° to 70°C (-13° to 158°F)

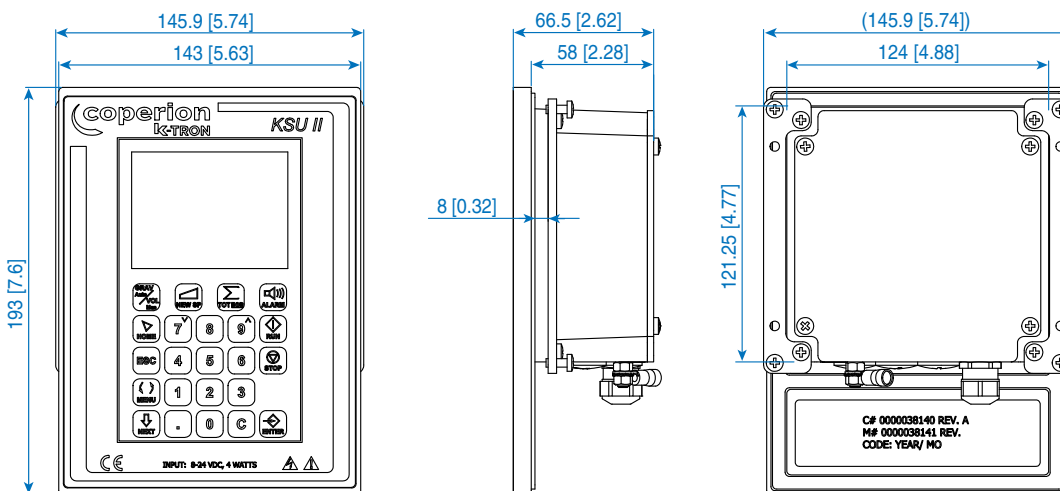
Housing:
NEMA 4 / IP65

Ex classifications:
ATEX 3D, IECEx EPL Dc

Conformity (KSU-II XPC3):
IECEx SEV 24.0002X



Dimensions mm [in]



Caution: these measurements are for general reference only. Please consult dimensional drawing for exact measurements