



Putting You In Control.

Kobelt's digital steering system employs proportional valve control to provide precise movement of the vessel's rudder. All stations can be configured to suit the vessel's needs, whether the commands come from, a digital helm, FFU, NFU or autopilot. The controller communicates with the stations over a KNet network to reduce cabling requirements.



Specifications

ELECTRICAL

• Operating voltage	10 - 32	VDC
• Operating current	0.4 - 0.2	A
• Valve operating voltage	10 - 32	VDC
• Valve operating current	0 - 3.0 (Per terminal)	A

MECHANICAL

• Shipping dimensions (L x W x H)	275mm x 170mm x 100mm [10 7/8" x 7" x 3 7/8"]
• Product weight	0.3 kg [0.68 lbs]

ENVIRONMENTAL

• Environmental category	ENV2 / Class A / protected
• Operating temperature	- 15°C to 55°C [5°F to 112°F]
• Storage temperature	- 20°C to 60°C [- 4°F to 140°F]
• Operating humidity	95 % (Non - Condensing)
• Storage humidity	98 % (Non - Condensing)
• Vibration/shock resistance	Conforms to IEC:60945
• EMC immunity/emissions ¹	Conforms to IEC:60945
• IP rating	IP20

¹ Wurth 742 712 22 ferrite bead required on power input

Approvals

ABS (23-2474208-PDA)
LR (LR2482046TA)

Key Features

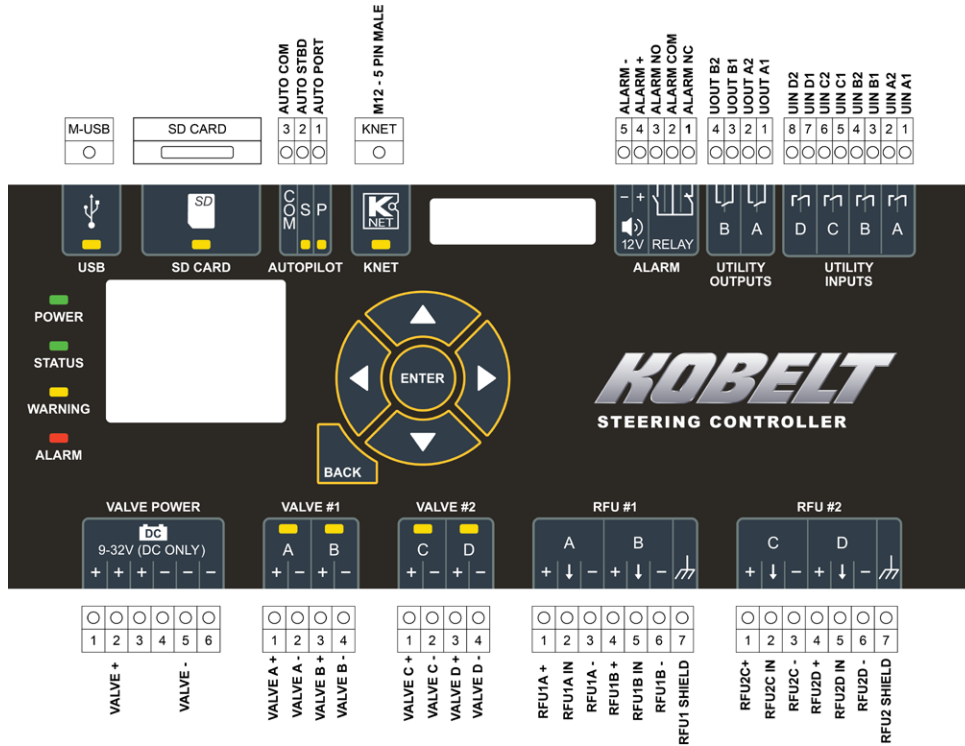
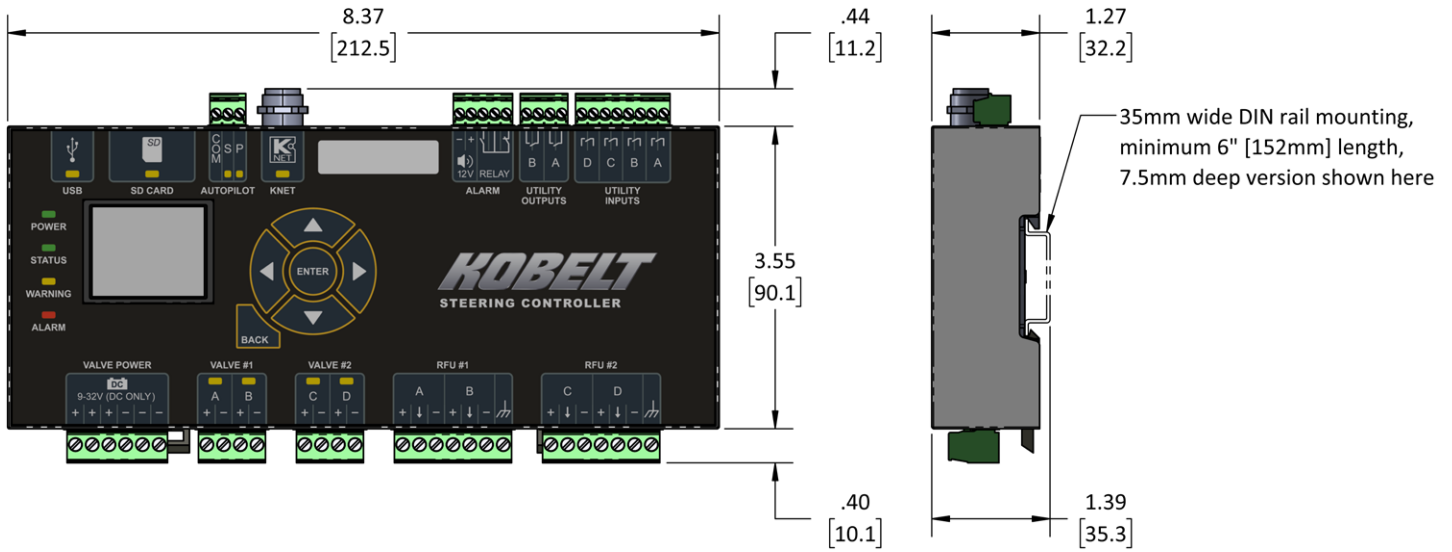
- Lab tested to IEC 60945
- Scalable redundancy for mission critical applications ¹
- Continuous fault monitoring with NMEA2000 reporting ¹
- Single or dual independent rudder capability ¹
- Proportional or on/off hydraulic rudder control
- Autopilot interface with seamless dodge function
- Accepts steering commands from qualified external systems ¹
- Scalable up to 6 network connected helm stations ¹
- Accommodates many types of steering configurations
- Easy to install, commission and maintain

Available Models

6300-0100	4 station basic controller
6300-0100-1	6 station enhanced controller

¹ available with enhanced version only

SPECIFICATIONS



CONNECTORS

KNet Network Connection	M12 – 5 Pin Male
Valve POWER	6 pos screw terminal / 20 - 12 AWG
RFU Inputs	7 pos screw terminal / 20 - 12 AWG
Digital Inputs	8 pos screw terminal / 20 - 12 AWG
Digital output	4 pos screw terminal / 20 - 12 AWG
Autopilot input	3 pos screw terminal / 20 - 12 AWG
Valve control outputs	4 pos screw terminal / 20 - 12 AWG
Alarm	5 pos screw terminal / 20 - 12 AWG