

# USER-700G

**Use : Main engine remote control system (Built-to-Ord0er)**

● This Model is a system which controls the main engine (propulsion engine) to Start / Stop, Ahead-Neutral-Astern, Accelerate or Decelerate. This is consisted of Control Lever and Drive unit. Applying multiple engines (2-4 engines) environment with control levers



Driving Unit ER-700G

● Control Lever



Single Control Lever RE-50HN

Twin Control Lever RE-50N

● Engine Room Alarm Panel



● Wheelhouse (W/H) Control Panel



● Hand-held Controller



RE-90TW

N-RE38

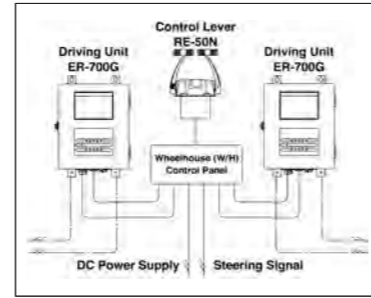


RE-13

RE-55N

RE-55HN

**System Diagram**



ENGINE REMOTE CONTROL SYSTEM

# ER-700 Series

USER-700  
USER-720  
USER-750  
USER-770  
USER-780

USER-700G  
USER-720AT  
USER-750AT



# USER-720AT USER-750AT

**Use : Shiodade system (Timer-Setting clutch control Ahead-Neutral)**

● This model is equipped the Timer Setting Clutch with USER-720 / USER-750.

- Neutral timer
- Ahead / Astern timer
- Selectable the On / Off Demand function, (Demand function : When clutch is at neutral position, Clutch disengages and then can be operated with remote controller stand.)
- Shiodade (Timer-Setting clutch control Ahead-Neutral) Visual display panel
- Power source : DC24V or DC12V

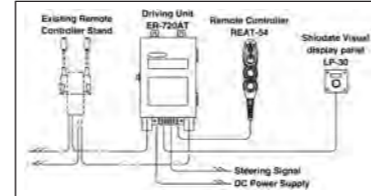


Driving Unit ER-720AT ER-750AT

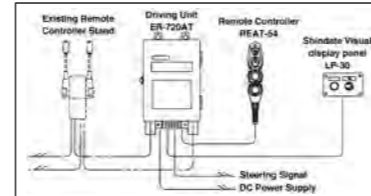
REAT-53 REAT-54

LP-20 LP-30

**System Diagram USER-720AT1**



**System Diagram USER-720AT2**



● To combine Autopilot with Steering System can upgrade the control system



Auto Pilot system CD-50



Dial Remote Controller system ED-12

Syntec Remote Controller MR-40 / MR-40A



FB-72 (In case of MR-40, need FB-40X)

## UNIKAS INDUSTRIAL INC.

HQ & Factory : 455 Nishibara, Nagi-cho, Katsuta-gun, Okayama, 708-1306 Japan  
TEL : +81 (0)868 36 3131 FAX : +81 (0)868 36 6209

Osaka Operation : 7F Nikken Bldg, 2-1-9 Itachibori, Nishi-ku, Osaka, 550-0012 Japan  
TEL : +81 6 6535 4871 FAX : +81 6 6535 4874  
E-Mail : eigyou@unikas.co.jp

<http://www.unikas.co.jp>

\* Before products operation, read the attached instruction manuals thoroughly the respective supplied instruction manual.  
\* The contents of this catalog are subject to change without prior notice.

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UNIKAS INDUSTRIAL INC.



# 2-Lever & 2-Dial USER-700

Use : Main engine

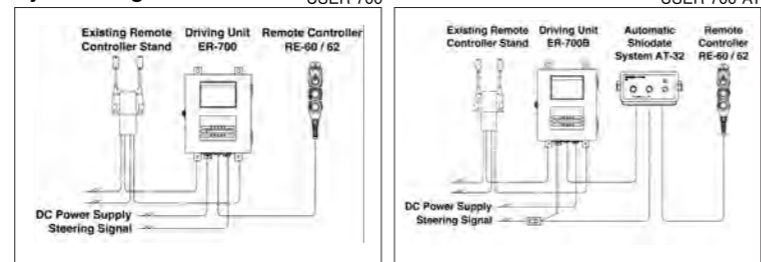
- **Hand-held Remote Controller arrangement Available 2-Dials / 3-Dials / 4-Dials**  
Clutch/Governor can be operated with each independent Dial. Any requirements for the Application and Dial-Layout are available.
- **Providing Interlock Function as standard**  
For hazard prevention, irrespective of dial position, operation starts at Clutch-Neutral Position / Governor Deceleration Mode when power is on. (Engine Neutral warm-up)
- **High response across the whole of Push-Pull Cable Stroke**  
Original linear driving system supports uniform propulsion and high response across the whole wire stroke.
- **Providing Standard Failure Alarm**  
Monitor displays normal/abnormal and Status of overload in the driving unit. Helping to find the failure of DC motor, Feedback potentiometer and Push-Pull Cable
- **When General Alarm of Remote Control abnormal, dry contact signal outputs external**
- **Easy-to-adjust, easy-to-find adjusting position, easy-to-access PCB arrangement**
- **Independent driving mechanism of governor and clutch**  
For easy maintenance, driving units are independent mechanism of governor and clutch.
- **2-Push-Pull cables**  
One is for the engine and the other is for existing remote control, which can be connected to the driving unit.

Hand-held Remote Controller (LxWxH)  
RECG-10 : 191x60x67, RE-62 : 247x60x67, N-RE38 : 312x60x75

### Specification

System Type	USER-700	
Control	Clutch	Ahead-Neutral-Astern : 3 order
	Governor	Continuous follow-up control
Max. Thrust	Clutch	490N
	Governor	637N
Response	Clutch	Ahead-Neutral-Astern : 0.75sec.
	Governor	Full stroke : approx. 3sec.
Stroke	Clutch	17mm-115mm
	Governor	17mm-115mm
Power Source	DC24V	

### System Diagram



### System Table

Component Type	Driving Unit	Remote Controller	Lever-operated Clutch	Foot-operated Clutch	Automatic Shiodade System	Control Cabinet
USER-700	ER-700	RE-62				
USER-700-EE	ER-700	RE-62(2)				BX-21C
USER-700-EX	ER-700	RE-62	RX-35			BX-21C
USER-700-EEP	ER-700	RE-62(2)				BX-190A
USER-700-EXP	ER-700	RE-62	RX-35			BX-190A
USER-700-FS	ER-700B	RE-60		FS-30		BX-29
USER-700-AT	ER-700B	RE-60			AT-32	

### Options

#### Control Lever

This Control Lever can be mounted at outside control position



RX-35  
WxDxH=198x146x214

#### Shiodade system (Timer-Setting clutch control Ahead-Neutral)

System which automatically controls the vessel to repeat Ahead and Neutral Mode at certain time intervals by timer setting



AT-32  
WxDxH=245x104x126

#### Foot-operated clutch



FS-30  
WxDxH=192x200x60



# 2-Lever & 1-Dial USER-720

Use : Main Engine / Thruster (Side Thruster)

- **Lightweight & compact design**
- **Single Dial can operate Clutch & Governor.**
- **Standard Interlock function**
- **Alarm function of Overload & Voltage Abnormal**

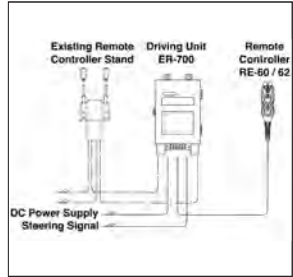
### Specification

System Type	USER-720	
Control	Clutch	Ahead-Neutral-Astern : 3 order
	Governor	Continuous follow-up control
Max. Thrust	Clutch	421N
	Governor	509N
Response	Clutch	Ahead-Neutral-Astern : 0.75sec.
	Governor	Full stroke : approx. 3sec.
Stroke	Clutch	17mm-115mm
	Governor	17mm-115mm
Power Source	DC24V or DC12V	

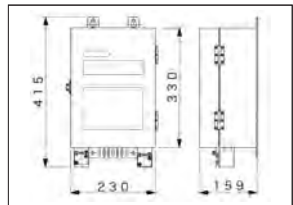
### System Table

Type	Driving Unit	Remote Controller
USER-720	ER-720	REX-21

### System Diagram



### Outside Dimension



REX-21 (LxWxH=191x60x67)

# 2-Lever & 2-Dial USER-750

Use : Main engine (Inboard & Outboard Engine)

- **Lightweight & compact design**
- **Clutch / Governor can be operated with each independent Dial.**
- **Standard Interlock function**
- **Alarm function of Overload & Voltage Abnormal**

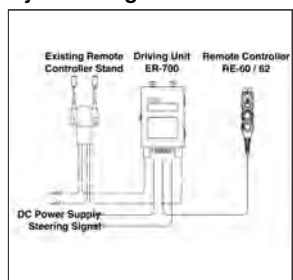
### Specification

System Type	USER-750	
Control	Clutch	Ahead-Neutral-Astern : 3 order
	Governor	Continuous follow-up control
Max. Thrust	Clutch	421N
	Governor	509N
Response	Clutch	Ahead-Neutral-Astern : 0.75sec.
	Governor	Full stroke : approx. 3sec.
Stroke	Clutch	17mm-115mm
	Governor	17mm-115mm
Power Source	DC24V or DC12V	

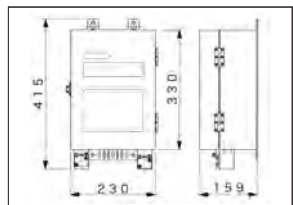
### System Table

Type	Driving Unit	Remote Controller
USER-750	ER-750	RE-60 RE-62

### System Diagram



### Outside Dimension



RE-62(LxWxH=247x60x67)

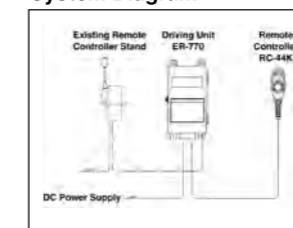
# USER-770

Use : Trolling or Governor Control only



ER-770 (LxWxH=430x165x146)  
RC-44K (LxWxH=134x60x67)

### System Diagram



### System Table

Type	Driving Unit	Remote Controller
USER-770	ER-770	RC-44K

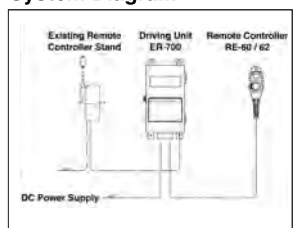
# USER-780

Use : Shiodade system (Timer-Setting clutch control Ahead-Neutral) and Clutch control only



ER-780 (LxWxH=430x165x146)  
RC-68 (LxWxH=134x60x67)

### System Diagram



### System Table

Type	Driving Unit	Remote Controller
USER-780	ER-780	RC-68