LUOYANG GUANJIE ELECTRONIC CONTROL

Electronic Control Joystick Series

Electronic Control Solutions for Construction Machinery

ELECTRONIC CONTROL JOYSTICK SERIES FOR CONSTRUCTION MACHINERY

Base-Mounted

Upright Grip

Pistol Grip



CONSTRUCTION MACHINERY

Luoyang Guanjie Electronic Control Technology Co., Ltd.

OEM Supply · Retrofit & Upgrade · Custom Development

Product Overview

PRODUCT OVERVIEW

The electronic control joystick is independently developed by Luoyang Guanjie Electronic Control Technology. It is adapted to wheel loaders, excavators, aerial work platforms, cranes and various special engineering vehicles, serving both OEM factory installation and retrofit upgrades.

The housing is injection-molded in one piece from high-strength modified engineering plastic, with a non-slip, wear-resistant surface. The base is fitted with a dust-proof bellows boot that effectively blocks dust and mud water, adapting to high-vibration and demanding job-site conditions.

It connects with solenoid valve banks and control boxes to centrally control hydraulic functions, replacing traditional mechanical linkages and simplifying cab wiring. Key count, function mapping and mounting dimensions are all customizable.

20+ Years

In Control System Industry

12 Models

Standard Housing Designs

100%

Customizable Key Functions



Grip-Type Electronic Control Joystick

Product Range

PRODUCT RANGE



Base-Mounted Joystick Handles

BASE-MOUNTED JOYSTICK





1 Rigid Base Structure

Square / box mounting base with bellows dust boot delivers excellent support rigidity, ideal for long-duration, high-frequency operation.

2 Multi-Key Integration

Direction and function keys are arranged on the top and sides of the grip, enabling centralized control without releasing the handle.

3 Vibration-Proof Wiring

Bottom-exit wiring with protective boot resists vibration and dust, suited to OEM supply and retrofit of loaders, excavators and other equipment.

Upright Grip Handles

UPRIGHT GRIP HANDLE



1

Compact Upright Design

Upright grip with round disc base occupies minimal space, ideal for installation in the cab armrest area.

2

Zoned Direction Keys

Top FNR (Forward-Neutral-Reverse) keys and function buttons are color-zoned for blind operation during work.

3

Electronic Signal Integration

Stable signal output connects directly to control boxes and solenoid valve banks, replacing traditional cable-and-lever linkages.

Grip & Specialty Handles

GRIP & SPECIALTY HANDLE



1 Pistol-Grip Ergonomics

The grip curve fits the palm naturally, keeping thumb and fingers within easy reach of keys to reduce fatigue in prolonged operation.

2 Flexible Layout Options

Rocker switches, scroll wheels, round buttons and toggle switches are combined per machine functions, with black, orange and other housing colors available.

3 Versatile Mounting

Threaded cable exit, quick-connect plugs and bracket mounting support both OEM assembly-line installation and aftermarket retrofit.

Key Features

KEY FEATURES

1 Material & Protection

One-piece injection-molded housing in high-strength modified engineering plastic, non-slip and wear-resistant; base bellows boot blocks dust and mud water.

2 Ergonomic Design

Grip curvature fits the palm; keys are zoned by function and color for blind operation, reducing accidental presses in long shifts.

3 Stable Signal Integration

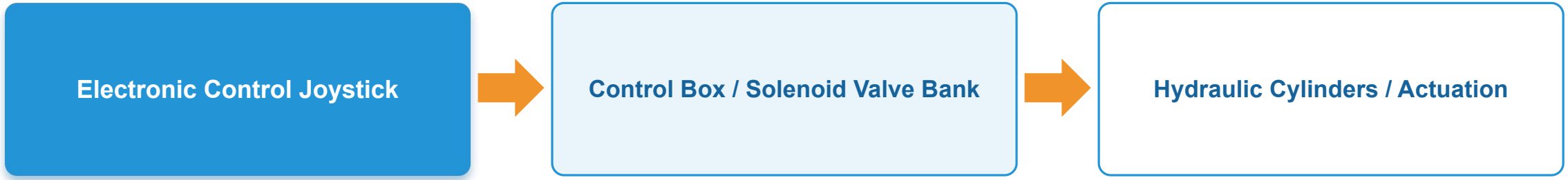
Sensitive and stable signal output connects to solenoid valve banks and control boxes for centralized hydraulic and attachment control.

4 Simplified Integration

Replaces traditional mechanical cable-and-lever structures, reducing in-cab rods and piping for easier assembly and commissioning.

System Integration & Applications

SYSTEM INTEGRATION & APPLICATIONS



Applicable Equipment

- Wheel Loader
- Excavator
- Crane
- Aerial Work Platform
- Mining Machinery
- Special Equipment

Suitable for OEM factory installation as well as retrofit upgrades of existing construction machinery.

Custom Development

CUSTOM DEVELOPMENT

For OEM supply and retrofit orders, the joystick offers flexible adjustment in structure, function and appearance.

1

Key Quantity

Buttons, toggles and rockers are added or removed per function circuits to match different machine operation needs.

2

Function Mapping

Each key can be individually mapped to direction, lift or attachment functions, with logic arranged per machine type.

3

Mounting Dimensions

Base type, mounting hole pattern and grip length are adjustable to fit different cab spaces and armrest layouts.

4

Wiring & Colors

Cable exit supports threaded fixing and quick-connect plugs; housing colors can be matched to OEM styling schemes.

Reliable Electronic Control Solutions

Electronic Control Supply for Construction Machinery & Work Vehicles

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