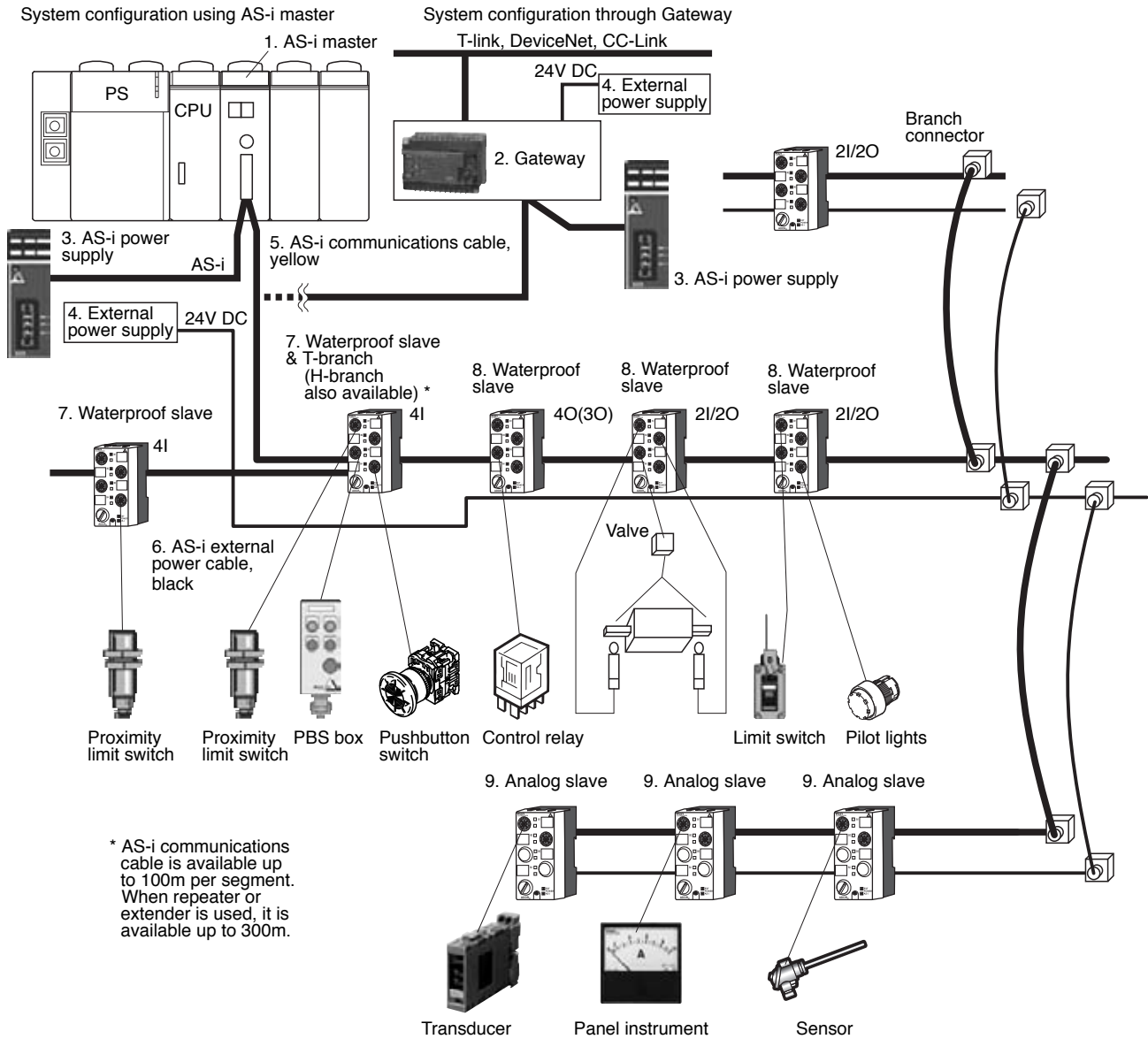


System configuration using waterproof slaves



Devices required for system configuration

| Device | Device No. | When using AS-i master | | When using Gateway | | See page(s) | Remarks |
|-----------------------------------|------------|------------------------|---------------|--------------------|---------------|-------------|--|
| | | Input only | Input/ Output | Input only | Input/ Output | | |
| AS-i master | 1 | ○ | ○ | — | — | 30-35 | Max.31 standard and analog slaves |
| Gateway | 2 | — | — | ○ | ○ | 36-39 | Max.62 A/B slaves |
| AS-i power supply | 3 | ○ | ○ | ○ | ○ | 83 | One unit is required per one segment. |
| External power supply, 24V DC | 4 | — | ○ | ○ | ○ | — | — |
| AS-i communications cable, yellow | 5 | ○ | ○ | ○ | ○ | 29 | Up to 100m per segment |
| AS-i external power cable, black | 6 | — | ○ | — | ○ | 29 | — |
| Slave (4I) | 7 | ○ | ○ | ○ | ○ | 40-81 | |
| Slave (2I/2O, 3O, 4O) | 8 | — | ○ | — | ○ | | |
| Analog slave | 9 | ○ | ○ | ○ | ○ | 54-57 | |
| Addressing unit | — | ○ | ○ | ○ | ○ | 87-89 | Addressing cable is required. |
| Others | | | | | | 90 | To the unused sockets of waterproof slaves, fit waterproof caps. |

AS-Interface system configuration

■ Protection of AS-i cable

- As the insulation voltage of AS-i cable sheath is 1500V, mechanical and electrical protective measures such as conduit pipes or ducts are not necessary, unless mechanical damage is anticipated to the cable.
- Shielding and grounding to the cable are not required. No terminating resistors are required.

■ Measures against noise

- To prevent inductive noise, AS-i cables and sensor cables should be wired as far as from high-voltage cables and power lines. 100mm on above is recommended. Attach a surge suppressor to a device that could generate noise.

For details of this product, see User's Manual No.FEH705.

■ Concept of segment

The following shows a configuration example that uses extenders and repeaters.

