pike ℗ signals ltd.

XLController ℗ 2 PHASE set up sheet
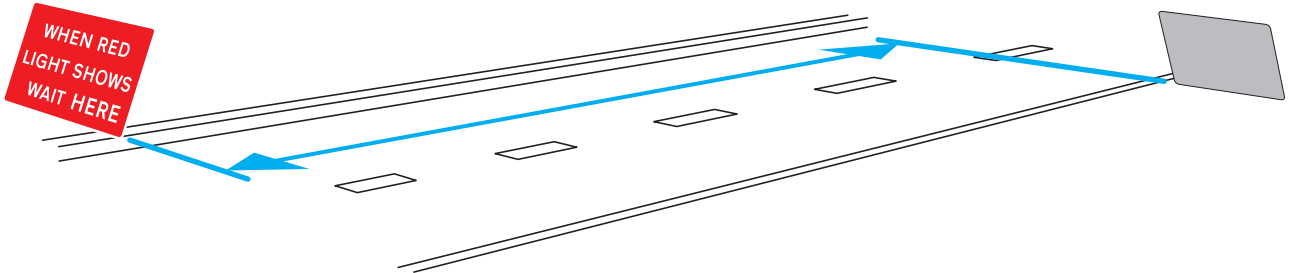
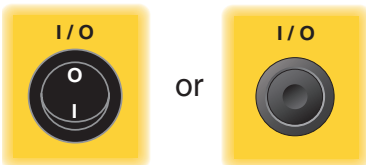Please see the Operator's Guide for full details of setup and operation

① Set up both signal heads, cones and signs according to highway regulations.

② Measure the distance in the shuttle lane between the two WAIT HERE signs.

WHEN RED LIGHT SHOWS WAIT HERE

③ On the SLAVE XL controller:

a Switch on the controller.

I / O   or   I / O

b Press →←— to choose XL TWO PHASE.

```
 PLEASE SELECT ONE
 OF THE FOLLOWING
XL  TWO PHASE ←
MULTIPHASE
```

c Either: Press ⬇ to configure settings, or

Press →←— to resume the last mode in which the controller was used *(only if it was previously used as a slave)*. Go to step **f**

```
FOR LAST MODE/SET UP
TIMES PRESS ENTER →←
FOR NEW MODE/SET UP
TIMES PRESS SCROLL ↓
```

M **S** Look for a flashing amber indicator on the mimics. If previously used as **master**, the **M** mimic will flash; if last used as a **slave**, the **S** mimic will flash.

d Use ⬇ ⬆ to highlight the required radio channel and press →←— to proceed.

```
SELECT RADIO CHANNEL
1-2
SCROLL ↑↓
ENTER →← TO SELECT
```

e Use ⬇ ⬆ (if necessary) to highlight the SLAVE UNIT option and press →←— to proceed.

```
MASTER UNIT
SLAVE UNIT    ←
SCROLL ↑↓
ENTER →← TO SELECT
```

f The slave controller will now await contact from the master controller. No signals will be shown at this stage.
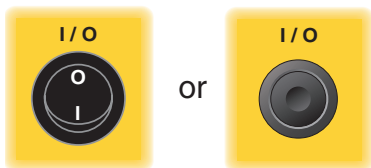
```
SLAVE xxxxx  CHAN x
AWAITING DATA FROM
MASTER
ENTER →← TO CANCEL
```

Note: Ensure that the master controller uses the same channel number as the slave (as shown in the top right corner of the slave standby screen).

Now set up the MASTER XL controller ⇨

④ On the MASTER XL controller:

a Switch on the controller.

[I/O switch] or [I/O button]

b Press [→←] to choose XL TWO PHASE.

```
  PLEASE SELECT ONE
  OF THE FOLLOWING
XL   TWO PHASE ←
MULTIPHASE
```

c Either: Press [↓] to configure settings,
or

Press [→←] to resume the last mode in which the controller was used *(only if it was previously used as a master)*. Go to step **g**

```
FOR LAST MODE/SET UP
TIMES PRESS ENTER →←
FOR NEW MODE/SET UP
TIMES PRESS SCROLL ↓
```

d Use [↓] [↑] to highlight the required radio channel and press [→←]. The channel must match the slave's setting.

```
SELECT RADIO CHANNEL
1-2
SCROLL ↑↓
ENTER →← TO SELECT
```

e Use [↓] [↑] (if necessary) to highlight the MASTER UNIT option and press [→←].

```
MASTER UNIT   ←
SLAVE UNIT
SCROLL ↑↓
ENTER →← TO SELECT
```

f Use [↓] [↑] (if necessary) to change between the four operation modes: VEHICLE DETECT MODE, FIXED TIME MODE, ALL RED MODE or MANUAL MODE

```
VEHICLE DETECT MODE
SCROLL ↑↓ FOR MORE

ENTER →← TO SELECT
```

g The screen will show a preview of all current settings:

```
VEHCL   MODE SELECTED
RED MR 05s GN MR 15s
RED SL 05s GN SL 15s
→← TO RUN ↑ TO ALTER
```

If the settings are all correct, press [→←] to begin running, or

If any timings need to be changed, press [↑]

```
ALL RED - MASTER
0-2-5-10-15-20-25-30
40-50    SCROLL ↑↓
THEN ENTER →←
```

```
MAX GREEN - MASTER
15-20-25-30-35-40-45
50-60    SCROLL ↑↓
THEN ENTER →←
```

```
ALL RED - SLAVE
0-2-5-10-15-20-25-30
40-50    SCROLL ↑↓
THEN ENTER →←
```

```
MAX GREEN - SLAVE
15-20-25-30-35-40-45
50-60    SCROLL ↑↓
THEN ENTER →←
```

[↓] [↑] to highlight a time.

[→←] to set the chosen time and proceed to the next screen.

To determine the appropriate timings
Use the tables below to convert the distance between the shuttle lane WAIT HERE signs into appropriate timings.

ALL RED time

0m	50m	100m	150m	200m	250m	300m
5 seconds	10 seconds	15 seconds	20 seconds	25 seconds	30 seconds	

Note: On steep gradients, increase the ALL RED time by 5 seconds for the uphill phase.

MAXIMUM GREEN time

0m	75m	135m	195m	300m
35 seconds	40 seconds	45 seconds	50 seconds	