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## Honeywell



## MICRO SWITCH ${ }^{\text {™ }}$ <br> General Purpose Limit Switches SZL-WL Series



Datasheet

## MICRO SWITCH ${ }^{\text {TM }}$ SZL-WL Series General Purpose Limit Switches

MICRO SWITCH ${ }^{\text {TM }}$ SZL-WL Series general purpose limit switches are cost effective switches that may be used in a wide range of applications from general purpose conveyors to heavy-duty machinery. Rugged and reliable, the SZL-WL Series switches are specially designed for world-wide use and supported by Honeywell's vast experience in serving industries around the globe.

High quality product offerings combined with Honeywell's global sales and service resources makes the SZL-WL Series the smart choice for industries whose goal is to minimize plant downtime and reduce overall maintenance costs.

## What makes our switches better?

- Small size and universal mounting footprint typically allows for use in constricted spaces and reduces replacement costs by providing interchangeability with similar style switches
- Wide variety of actuator heads and an assortment of actuators typically allows the SZL-WL Series to be applied in many types of applications
- IP67 construction often allows for use in dusty and dirty indoor and outdoor applications
- Mechanical service life of up to 10,000,000 operations promotes the durability required for use in many types of industries from factory floor to agriculture and/or machinery



## INDUSTRIAL GLOBAL DESIGN

The SZL-WL Series is designed to the EN50041 mounting standard which promotes interchangability between other brands of limit switches.

## Robust and reliable.

## TWO CIRCUIT DOUBLE BREAK CONTACTS

The SZL-WL Series promotes reliable switching under industrial 10 amp current loads and typically allows end users the ability to control two circuits within one switch.

## WIDE CHOICE OF ACTUATORS

Honeywell's SZL-WL Series offers side rotary, top and side plunger, and wobble stick style actuators that makes the switch reasonably adaptable to numerous types of applications.

## OIL TIGHT, WATER TIGHT, DUST TIGHT

IP67 sealing protects against dust and moisture, and allows the SZL-WL Series to be used in dirty and rugged environments found in both indoor and outdoor applications.

## Potential Applications



## INDUSTRIAL

- Counting and position sensing on conveyors and assembly lines
- Fixture and tooling position sensing on automated metal removing machines
- Position indication on electric valves on pipelines
- Position indication on dampers, fume hoods, and HVAC/R equipment
- Truck ramp position and elevator car position/leveling control


## SZL-WL Series

## PRODUCT NOMENCLATURE

Figure 1. SZL-WL for Asia-Pacific Use Only


Figure 2. SZL-WL for North American Use Only

model code are available.
Please contact your Honeywell
provider/representative for assistance.

## MICRO SWITCH ${ }^{\text {TM }}$ General Purpose Limit Switches

Table 1. Chart A•Standard Type

|  | WL-A | WL-B ${ }^{1}$ | WL-C ${ }^{2}$ | WL-D, P | WL-E | WL-F | WL-G |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Pretravel | $15^{\circ} \pm 5^{\circ}$ | $15^{\circ} \pm 5^{\circ}$ | $15^{\circ} \pm 5^{\circ}$ | $50^{\circ} \pm 5^{\circ}$ | $\begin{gathered} 1,7 \mathrm{~mm}[0.07 \mathrm{in}] \\ \max . \end{gathered}$ | $\begin{gathered} 1,7 \mathrm{~mm}[0.07 \mathrm{in}] \\ \max . \end{gathered}$ | $1,7 \mathrm{~mm}$ [0.07 in] max. |
| Differential <br> Travel | $12^{\circ}$ | $12^{\circ}$ | $12^{\circ}$ | - | 1 mm [0.04 in] | 1 mm [0.04 in] | 1 mm [0.04 in] |
| Overtravel | $30^{\circ}$ | $30^{\circ}$ | $30^{\circ}$ | $35^{\circ}$ | 5,6 mm [0.22] | 6,4 mm [0.25] | 5,6 mm [0.22] |
| Total travel | $40^{\circ}$ | $40^{\circ}$ | $40^{\circ}$ | $90^{\circ}$ | - | - | - |
| Operating torque | $\begin{aligned} & 0,51 \mathrm{Nm} \\ & {[4.5 \mathrm{in}-\mathrm{lb}]} \end{aligned}$ | $\begin{aligned} & 0,51 \mathrm{Nm} \\ & {[4.5 \mathrm{in}-\mathrm{lb}]} \end{aligned}$ | $\begin{aligned} & \text { 0,195 Nm } \\ & {[1.72 \mathrm{in}-\mathrm{lb}]} \end{aligned}$ | $\begin{aligned} & \text { 0,447 Nm } \\ & \text { [4.0 in- } \mathrm{lb}] \end{aligned}$ | $\begin{gathered} \text { 26,67 } \mathrm{N}[6 \mathrm{lb}] \\ \text { (force) } \end{gathered}$ | $\begin{gathered} \text { 26,67 } \mathrm{N}[6 \mathrm{lb}] \\ \text { (force) } \end{gathered}$ | $16,67 \mathrm{~N}$ [3.75 lb] (force) |


|  | WL-H | WL-I | WL-J | WL-K ${ }^{3}$ | WL-L ${ }^{3}$ | WL-M ${ }^{3}$ | WL- ${ }^{3}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Pretravel | $\begin{aligned} & 2,8 \mathrm{~mm} \\ & {[0.11 \mathrm{in}]} \end{aligned}$ | $1,7 \mathrm{~mm}$ [0.07 in] max. | 2,8 mm [0.11 in] max. | $\begin{gathered} 20 \mathrm{~mm} \pm 10 \mathrm{~mm} \\ {[0.79 \mathrm{in} \pm 0.039 \mathrm{in}]} \end{gathered}$ | $\begin{gathered} 20 \mathrm{~mm} \pm 10 \mathrm{~mm} \\ {[0.79 \mathrm{in} \pm 0.039 \mathrm{in}]} \end{gathered}$ | $\begin{aligned} & 40 \mathrm{~mm} \pm 20 \mathrm{~mm} \\ & {[1.57 \mathrm{in} \pm 0.79 \mathrm{in}]} \end{aligned}$ | $\begin{aligned} & 40 \mathrm{~mm} \pm 20 \mathrm{~mm} \\ & {[1.57 \mathrm{in} \pm 0.79 \mathrm{in}]} \end{aligned}$ |
| Differential travel | $\begin{gathered} 1 \mathrm{~mm} \\ {[0.04 \mathrm{in}]} \end{gathered}$ | $\begin{gathered} 1 \mathrm{~mm} \\ {[0.04 \mathrm{in}]} \end{gathered}$ | $\begin{gathered} 1 \mathrm{~mm} \\ {[0.04 \mathrm{in}]} \end{gathered}$ | - | - | - | - |
| Overtravel | $\begin{aligned} & 5,6 \mathrm{~mm} \\ & {[0.22 \mathrm{in}]} \end{aligned}$ | $\begin{aligned} & 6,4 \mathrm{~mm} \\ & {[0.25 \mathrm{in}]} \end{aligned}$ | $\begin{aligned} & 4,0 \mathrm{~mm} \\ & {[0.16 \mathrm{in}]} \\ & \hline \end{aligned}$ | - | - | - | - |
| Total travel | $\begin{aligned} & 8,4 \mathrm{~mm} \\ & {[0.33 \mathrm{in}]} \end{aligned}$ | $\begin{aligned} & 9,2 \mathrm{~mm} \\ & {[0.36 \mathrm{in}]} \end{aligned}$ | $\begin{aligned} & 5,7 \mathrm{~mm} \\ & {[0.22 \mathrm{in}]} \end{aligned}$ | - | - | - | - |
| Operating force max. | $\begin{gathered} 40,03 \mathrm{~N} \\ {[9 \mathrm{lb}]} \end{gathered}$ | $\begin{gathered} 26,67 \mathrm{~N} \\ {[6 \mathrm{lb}]} \end{gathered}$ | $\begin{gathered} 40,03 \mathrm{~N} \\ {[9 \mathrm{lb}]} \end{gathered}$ | 1,47 N [0.33 lb] | 1,47 N [0.33 lb] | 1,47 N [0.33 lb] | 0,28 N [0.06 lb] |

${ }^{1}$ Operating characteristics of the WL-B are measured at the arm length of 38 mm [1.5 in]
${ }^{2}$ Operating characteristics of the WL-C are measured at the lever length of 140 mm [ 5.5 in ]
${ }^{3}$ Operating characteristics of these types are measured at the tip of the actuator

Table 2. Chart B•Overtravel/High Precision Type

|  | WLA-A | WLB-A | WLA-B1 | WLB-B ${ }^{1}$ | WLA-C ${ }^{2}$ | WLB-C² | WLC-A |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Pretravel | $18^{\circ} \pm 4^{\circ}$ | $10^{\circ}\left(-1 \%+2^{\circ}\right)$ | $18^{\circ} \pm 4^{\circ}$ | $10^{\circ}\left(-1 \%+2^{\circ}\right)$ | $18^{\circ} \pm 4^{\circ}$ | $10^{\circ}\left(-1 \%+2^{\circ}\right)$ | $25^{\circ} \pm 5^{\circ}$ |
| Differential travel | $10^{\circ}$ | $7^{\circ}$ | $10^{\circ}$ | - | $10^{\circ}$ | $7^{\circ}$ | $16^{\circ}$ |
| Overtravel | $55^{\circ}$ | $65^{\circ}$ | $55^{\circ}$ | $65^{\circ}$ | $55^{\circ}$ | $65^{\circ}$ | $60^{\circ}$ |
| Total travel | $80^{\circ}$ | $80^{\circ}$ | $80^{\circ}$ | $80^{\circ}$ | $80^{\circ}$ | $80^{\circ}$ | $90^{\circ}$ |
| Operating torque max. | $\begin{aligned} & 0,37 \mathrm{Nm} \\ & {[3.3 \mathrm{in}-\mathrm{Ib}]} \end{aligned}$ | $\begin{aligned} & 0,37 \mathrm{Nm} \\ & \text { [3.3 in-lb] } \end{aligned}$ | $\begin{aligned} & 0,37 \mathrm{Nm} \\ & {[3.3 \mathrm{in}-\mathrm{lb}]} \end{aligned}$ | $\begin{aligned} & 0,37 \mathrm{Nm} \\ & \text { [3.3 in-lb] } \end{aligned}$ | $\begin{aligned} & \text { 0,398 Nm } \\ & {[3.52 \mathrm{in}-\mathrm{Ib}]} \end{aligned}$ | $\begin{aligned} & 0,398 \mathrm{Nm} \\ & {[3.52 \mathrm{in}-\mathrm{lb}]} \end{aligned}$ | $\begin{aligned} & 0,34 \mathrm{Nm} \\ & {[3.0 \mathrm{in}-\mathrm{lb}]} \end{aligned}$ |


|  | WLC-B ${ }^{1}$ | WLC-C ${ }^{2}$ | WLD-A | WLD-B ${ }^{1}$ | WLD-C ${ }^{2}$ | WLE-A | WLE-B | WLe-C |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Pretravel | $25^{\circ} \pm 5^{\circ}$ | $25^{\circ} \pm 5^{\circ}$ | $20^{\circ}$ max. | $20^{\circ}$ max. | $20^{\circ}$ max. | $6^{\circ} \pm 1^{\circ}$ | $5^{\circ}\left(+2^{\circ}-0^{\circ}\right)$ | $5^{\circ}\left(+2^{\%}-0^{\circ}\right)$ |
| Differential travel | $16^{\circ}$ | $16^{\circ}$ | $10^{\circ}$ | $10^{\circ}$ | $10^{\circ}$ | $3^{\circ}$ | $3^{\circ}$ | $3^{\circ}$ |
| Overtravel | $60^{\circ}$ | $60^{\circ}$ | $70^{\circ}$ | $70^{\circ}$ | $70^{\circ}$ | $40^{\circ}$ | $40^{\circ}$ | $40^{\circ}$ |
| Total travel | $90^{\circ}$ | $90^{\circ}$ | $90^{\circ}$ | $90^{\circ}$ | $90^{\circ}$ | $40^{\circ}$ | $40^{\circ}$ | $40^{\circ}$ |
| Operating torque max. | $\begin{aligned} & 0,34 \mathrm{Nm} \\ & {[3.0 \mathrm{in}-\mathrm{lb}]} \end{aligned}$ | $\begin{gathered} 0,36 \mathrm{Nm} \\ {[3.16 \mathrm{in}-\mathrm{lb}]} \end{gathered}$ | $\begin{aligned} & 0,365 \mathrm{Nm} \\ & {[3.23 \mathrm{in}-\mathrm{lb}]} \end{aligned}$ | $\begin{aligned} & 0,365 \mathrm{Nm} \\ & {[3.23 \mathrm{in}-\mathrm{lb}]} \end{aligned}$ | $\begin{aligned} & 0,398 \mathrm{Nm} \\ & {[3.52 \mathrm{in}-\mathrm{lb}]} \end{aligned}$ | $\begin{gathered} 0,51 \mathrm{Nm} \\ {[4.5 \mathrm{in}-\mathrm{lb}]} \end{gathered}$ | $\begin{gathered} 0,51 \mathrm{Nm} \\ {[4.5 \mathrm{in}-\mathrm{lb}]} \end{gathered}$ | $\begin{aligned} & 0,195 \mathrm{Nm} \\ & {[1.72 \mathrm{in}-\mathrm{lb}]} \end{aligned}$ |

[^0]
## SZL-WL Series

Table 3. Specifications


## MICRO SWITCH ${ }^{\text {TM }}$ General Purpose Limit Switches

## ORDER GUIDE/RECOMMENDED LISTINGS

Table 4. Product listings


Note:

1. Operating characteristics are measured at the actuator arm length of 38 mm [1.5 in]

## SZL-WL Series

Table 4. Product listings, continued
O.T. - Operating torque
O.F. - Operating force
P.T. - Pretravel
O.T. • Overtravel
D.T. - Differential travel

|  | Part Number | Actuation | Note |  | Bar chart | $\begin{aligned} & \text { P.T. } \\ & \text { (max.) } \end{aligned}$ | O.T. | $\begin{aligned} & \text { D.T. } \\ & (\text { max. }) \end{aligned}$ | Conduit |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | SZL-WL-B | side rotary adjustable lever, standard | 1 | $\begin{aligned} & 0,51 \\ & {[4.5]} \end{aligned}$ |  | $20^{\circ}$ | $30^{\circ}$ | $12^{\circ}$ | PF 1/2 |
|  | SZL-WL-B-N |  |  |  |  |  |  |  | 1/2 in NPT |
|  | SZL-WLA-B | side rotary adjustable lever, high overtravel | 1 | $\begin{aligned} & 0,37 \\ & {[3.3]} \end{aligned}$ |  | $22^{\circ}$ | $55^{\circ}$ | $10^{\circ}$ | PF 1/2 |
|  | SZL-WLB-B | side rotary adjustable lever, high overtravel | 1 | $\begin{aligned} & 0,37 \\ & {[3.3]} \end{aligned}$ |  | $12^{\circ}$ | $65^{\circ}$ | $7^{\circ}$ | PF 1/2 |
|  | SZL-WLC-B |  |  |  |  |  |  |  | PF 1/2 |
|  | $\begin{aligned} & \text { SZL-WLC- } \\ & \text { B-N } \end{aligned}$ |  |  |  | $\begin{aligned} & 3-4 \\ & 1-2 \\ & 4 \\ & \hline \end{aligned}$ |  |  |  | 1/2 in NPT |
|  | SZL-WLD-B | side rotary adjustable lever, high overtravel | 1 | $\begin{gathered} 0,37 \\ {[3.23]} \end{gathered}$ |  | $20^{\circ}$ | $70^{\circ}$ | $10^{\circ}$ | PF 1/2 |
|  | SZL-WLE-B | side rotary adjustable lever, high precision | 2 | $\begin{aligned} & 0,51 \\ & {[4.5]} \end{aligned}$ |  | $5^{\circ}$ | $40^{\circ}$ | $3^{\circ}$ | PF 1/2 |

Notes:

1. Operating characteristics are measured at the actuator arm length of 38 mm [1.5 in]
2. Operating characteristics are measured at the actuator arm length of 140 mm [5.5 in]

## MICRO SWITCH ${ }^{\text {TM }}$ General Purpose Limit Switches

Table 4. Product listings, continued
O.T. - Operating torque
O.F. - Operating force
P.T. - Pretravel
O.T. • Overtravel
D.T. - Differential travel

|  | Part Number | Actuation | Note | O.T. Nm $[\mathrm{n}-\mathrm{Ib}]$ | Bar chart | $\begin{aligned} & \text { P.T. } \\ & \text { (max.) } \end{aligned}$ | O.T. | $\begin{aligned} & \text { D.T. } \\ & \text { (max.) } \end{aligned}$ | Conduit |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | SZL-WL-C | side rotary rod adjustable, standard | 2 | $\begin{aligned} & 0,195 \\ & {[1.72]} \end{aligned}$ |  | $20^{\circ}$ | $30^{\circ}$ | $12^{\circ}$ | PF 1/2 |
|  | SZL-WL-C-N |  |  |  |  |  |  |  | 1/2 in NPT |
|  | SZL-WLA-C | side rotary rod adjustable, high overtravel | 2 | $\begin{aligned} & 0,398 \\ & {[3.52]} \end{aligned}$ |  | $22^{\circ}$ | $55^{\circ}$ | $10^{\circ}$ | PF 1/2 |
|  | SZL-WLB-C | side rotary rod adjustable, high overtravel | 2 | $\begin{aligned} & 0,398 \\ & {[3.52]} \end{aligned}$ |  | $12^{\circ}$ | $65^{\circ}$ | $7^{\circ}$ | PF 1/2 |
|  | SZL-WLC-C |  |  | 0,38 |  |  |  |  | PF 1/2 |
|  | $\begin{gathered} \text { SZL-WLC- } \\ \text { C-N } \end{gathered}$ |  |  |  |  |  |  |  | 1/2 in NPT |
|  | SZL-WLD-C | side rotary rod adjustable, high overtravel | 2 | $\begin{aligned} & 0,398 \\ & {[3.52]} \end{aligned}$ |  | $20^{\circ}$ | $70^{\circ}$ | $10^{\circ}$ | PF 1/2 |
|  | SZL-WLE-C | Side rotary rod adjustable, high precision | 1 | $\begin{aligned} & 0,195 \\ & {[1.72]} \end{aligned}$ |  | $5^{\circ}$ | $40^{\circ}$ | $3^{\circ}$ | PF 1/2 |
|  | $\begin{aligned} & \text { SZL-WL-D } \\ & \text { SZL-WL-P } \end{aligned}$ | $\begin{gathered} \text { fork lock lever, op- } \\ \text { posite direction rollers } \\ \text {-D); same direction } \\ \text { rollers (-P) } \\ \text { anden } \end{gathered}$ |  | $\begin{gathered} 0,447 \\ {[4.0]} \end{gathered}$ |  | $55^{\circ}$ | $35^{\circ}$ | - | PF 1/2 |

Notes:

1. Operating characteristics are measured at the actuator arm length of 38 mm [1.5 in]
2. Operating characteristics are measured at the actuator arm length of 140 mm [5.5 in]

## SZL-WL Series

Table 4. Product listings, continued
O.T. - Operating torque
O.F. Operating force
P.T. Pretravel
O.T. Overtravel
D.T. Differential travel

\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \& Part Number \& Actuation \& Note \& \[
\begin{gathered}
\text { O.F. } \\
\mathrm{N} \text { [|b] }
\end{gathered}
\] \& Bar chart \& \[
\begin{aligned}
\& \text { P.T. } \\
\& \text { (max.) }
\end{aligned}
\] \& O.T. \& \[
\begin{aligned}
\& \text { D.T. } \\
\& (\text { max. })
\end{aligned}
\] \& Conduit \\
\hline  \& \begin{tabular}{c} 
SZL-WL-E \\
\hline SZL-WL-E-N
\end{tabular} \& top roller plunger \& - \& \[
\begin{gathered}
26,67 \\
{[6.0]}
\end{gathered}
\] \&  \& \[
\begin{aligned}
\& 1,7 \mathrm{~mm} \\
\& {[0.07 \mathrm{in}]}
\end{aligned}
\] \& \[
\begin{aligned}
\& 5,6 \mathrm{~mm} \\
\& {[0.22 \mathrm{in}]}
\end{aligned}
\] \& \[
\begin{gathered}
1 \mathrm{~mm} \\
{[0.04 \mathrm{in}]}
\end{gathered}
\] \& PF 1/2

$1 / 2 \mathrm{in}$
NPT <br>

\hline  \& | SZL-WL-F |
| :---: |
| SZL-WL-F-N | \& top plunger \& - \& \[

$$
\begin{gathered}
26,67 \\
{[6.0]}
\end{gathered}
$$

\] \&  \& \[

$$
\begin{aligned}
& 1,7 \mathrm{~mm} \\
& {[0.07 \mathrm{in}]}
\end{aligned}
$$

\] \& | $6,4 \mathrm{~mm}$ |
| :--- |
| [0.25 in] | \& \[

$$
\begin{gathered}
1 \mathrm{~mm} \\
{[0.04 \mathrm{in}]}
\end{gathered}
$$
\] \& PF 1/2

$1 / 2 \mathrm{in}$
NPT <br>

\hline  \& SZL-WL-G \& top roller plunger, sealed \& - \& $$
\begin{aligned}
& 16,67 \\
& {[3.75]}
\end{aligned}
$$ \&  \& \[

$$
\begin{aligned}
& 1,7 \mathrm{~mm} \\
& {[0.07 \mathrm{in}]}
\end{aligned}
$$

\] \& \[

$$
\begin{aligned}
& 5,6 \mathrm{~mm} \\
& {[0.22 \mathrm{in}]}
\end{aligned}
$$

\] \& \[

$$
\begin{gathered}
1 \mathrm{~mm} \\
{[0.04 \mathrm{in}]}
\end{gathered}
$$
\] \& PF 1/2 <br>

\hline  \& SZL-WL-H \& side roller plunger \& - \& $$
\begin{gathered}
40,03 \\
{[9.0]}
\end{gathered}
$$ \&  \& \[

$$
\begin{aligned}
& 2,8 \mathrm{~mm} \\
& {[0.11 \mathrm{in}]}
\end{aligned}
$$

\] \& \[

$$
\begin{aligned}
& 5,6 \mathrm{~mm} \\
& {[0.22 \mathrm{in}]}
\end{aligned}
$$

\] \& \[

$$
\begin{gathered}
1 \mathrm{~mm} \\
{[0.04 \mathrm{in}]}
\end{gathered}
$$
\] \& PF 1/2 <br>

\hline  \& SZL-WL-I \& top ball plunger \& - \& $$
\begin{gathered}
26,67 \\
{[6.0]}
\end{gathered}
$$ \&  \& \[

$$
\begin{aligned}
& 1,7 \mathrm{~mm} \\
& {[0.07 \mathrm{in}]}
\end{aligned}
$$

\] \& \[

$$
\begin{gathered}
4 \mathrm{~mm} \\
{[0.157 \mathrm{in}]}
\end{gathered}
$$

\] \& \[

$$
\begin{gathered}
1 \mathrm{~mm} \\
{[0.04 \mathrm{in}]}
\end{gathered}
$$
\] \& PF 1/2 <br>

\hline  \& SZL-WL-J \& side plunger \& - \& $$
\begin{gathered}
40,03 \\
{[9.0]}
\end{gathered}
$$ \&  \& \[

$$
\begin{aligned}
& 2,8 \mathrm{~mm} \\
& {[0.11 \mathrm{in}]}
\end{aligned}
$$

\] \& | 6,4 mm |
| :--- |
| [0.25 in] | \& \[

$$
\begin{gathered}
1 \mathrm{~mm} \\
{[0.04 \mathrm{in}]}
\end{gathered}
$$
\] \& PF 1/2 <br>

\hline
\end{tabular}

## MICRO SWITCH ${ }^{\text {TM }}$ General Purpose Limit Switches

Table 4. Product listings, continued
O.T. - Operating torque
O.F. Operating force
P.T. Pretravel
O.T. Overtravel
D.T. Differential travel


Notes:

1. Operating characteristics are measured at the actuator arm length of 38 mm [1.5 in]
2. Operating characteristics are measured at the actuator arm length of 140 mm [5.5 in]
3. Operating characteristics are measured at the tip of the actuator
4. Operating force is measured from the tip of the wobble

## SZL-WL Series

## DIMENSIONS mm [in]

Figure 1. SZL-WL-A


Figure 3. SZL-WL-C


Figure 2. SZL-WL-B


Figure 4. SZL-WL-D and SZL-WL-P


$$
\underset{\text { szL-wL-D }}{\text { Side }}
$$

## MICRO SWITCH ${ }^{\text {TM }}$ General Purpose Limit Switches

## DIMENSIONS mm [in]

Figure 5. SZL-VL-E


Figure 7. SZL-WL-G


Figure 6. SZL-WL-F


Figure 8. SZL-WL-H


## SZL-WL Series

## DIMENSIONS mm [in]

Figure 9. SZL-WL-I


Figure 11. SZL-WL-K


Figure 10. SZL-WL-J


Figure 12. SZL-WL-L


## MICRO SWITCH ${ }^{\text {TM }}$ General Purpose Limit Switches

## DIMENSIONS mm [in]

Figure 13. SZL-WL-M


Figure 14. SZL-WL-N


## SET POSITION INDICATOR

Proper Operation Zone

- The two convex indicators on the shaft housing show the operating zones for proper operation, thereby, simplifying installation and maintenance.
- Too much over-travel may cause shortened mechanical life due to possible damage to the switch mechanism.

Figure 15. Side Rotary Proper Operation Zone


## MOUNTING DIMENSIONS

Figure 16. Surface Mount


Figure 17. Through-Hole Mount


Figure 18. Rear Mount


## ADJUSTABLE OPERATING CHARACTERISTICS

## Standard/High Precision Series

- All side rotary switches of Standard and High Precision models can be set to actuate on one side only. Clockwise and counterclockwise mode is available by rotating the plunger inside the operating head as shown below.

Figure 19. Standard/High Precision Type Switches


CW + CCW


CCW


CW

## MICRO SWITCH ${ }^{\text {TM }}$ General Purpose Limit Switches

## OVERTRAVEL "D" SERIES

- The Overtravel "D" Series switches can be set to one side actuation mode by rotating the cam located inside the operating head as shown below.

Figure 20. Overtravel "D" Series


## OPERATING HEAD DIRECTION CHANGE $90^{\circ}$ Incremental Rotation

- Most SZL-WL -D, P, E, G, H, and J Series switches allow for the operating head to be rotated to any of the four positions indicated below. Loosen the four head lock screws and rotate the head to the desired position.
Note* The head of the Overtravel "D" Series can be set ONLY to directions $\mathbf{1}$ and $\mathbf{3}$.

Figure 21. SZL-WL Head Rotation


## SZL-WL Series

## CABLES

Product Nomenclature


Figure 22. ZLC-4DLF-


Figure 23. ZLC-4DSF-


## MICRO SWITCH ${ }^{\text {TM }}$ General Purpose Limit Switches

Figure 24. ZLC-4DSM-

dc type
ac type


NOTE: Receptacle required for using cables. Order part number ZLC-4DRM-85.

## SZL-WL Series

## SEAL CONNECTOR

Product Nomenclature


Figure 25. LSC-09C-PFT


## ADDITIONAL INFORMATION

The following associated literature is available on the Web at sensing.honeywell.com:

- Product installation instructions
- Product range guide
- Product nomenclature tree
- Product application-specific information
- Application Note: Application in Injection Molding Machine (IJM)


## This Honeywell datasheet supports the following MICRO SWITCH ${ }^{\text {TM }}$ SZL-WL Series listings:

SZL-WL-A
SZL-WL-A-N
SZL-WL-B-N
SZL-WL-C-N
SZL-WL-E-N
SZL-WL-F-N
SZL-WLA-A
SZL-WLB-A
SZL-WLC-A
SZL-WLD-A
SZL-WLE-A
SZL-WL-B
SZL-WLA-B
SZL-WLB-B
SZL-WLC-B

SZL-WLD-B SZL-WL-G
SZL-WLE-B SZL-WL-H
SZL-WL-C SZL-WL-I
SZL-WLA-C SZL-WL-J
SZL-WLB-C SZL-WL-K
SZL-WLC-A-N SZL-WL-L
SZL-WLC-B-N SZL-WL-M
SZL-WLC-C SZL-WL-N
SZL-WLC-C-N SZL-WL-P
SZL-WLD-C SZL-WL-A-LEVER
SZL-WLE-C SZL-WL-A-LEVER-P
SZL-WL-D SZL-WL-B-LEVER
SZL-WL-E SZL-WL-B-LEVER-P
SZL-WL-F SZL-WL-C-LEVER

## A WARNING PERSONAL INJURY <br> DO NOT USE these products as safety or emergency stop devices or in any other application where failure of the product could result in personal injury. <br> Failure to comply with these instructions could result in death or serious injury.

## AWARNING MISUSE OF DOCUMENTATION

- The information presented in this product sheet is for reference only. Do not use this document as a product installation guide.
- Complete installation, operation, and maintenance information is provided in the instructions supplied with each product.
Failure to comply with these instructions could result in death or serious injury.


## WARRANTY/REMEDY

Honeywell warrants goods of its manufacture as being free of defective materials and faulty workmanship. Honeywell's standard product warranty applies unless agreed to otherwise by Honeywell in writing; please refer to your order acknowledgement or consult your local sales office for specific warranty details. If warranted goods are returned to Honeywell during the period of coverage, Honeywell will repair or replace, at its option, without charge those items it finds defective. The foregoing is buyer's sole remedy and is in lieu of all other warranties, expressed or implied, including those of merchantability and fitness for a particular purpose. In no event shall Honeywell be liable for consequential, special, or indirect damages.

While we provide application assistance personally, through our literature and the Honeywell website, it is up to the customer to determine the suitability of the product in the application.

Specifications may change without notice. The information we supply is believed to be accurate and reliable as of this printing. However, we assume no responsibility for its use.

## Find out more

Honeywell serves its customers through a worldwide network of sales offices, representatives and distributors. For application assistance, current specifications, pricing or name of the nearest Authorized Distributor, contact your local sales office.

To learn more about Honeywell's sensing and control products,
call +1-815-235-6847 or 1-800-537-6945,
visit sensing.honeywell.com,
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[^0]:    ${ }^{1}$ Operating characteristics are measured at the arm length of 38 mm [1.5 in]
    ${ }^{2}$ Operating characteristics are measured at the lever length of 140 mm [ 5.5 in ]

